

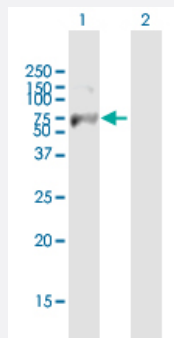
MaxPab®

## FBXW7 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00055294-B01P

Size 50 ug

### Applications



#### Western Blot (Transfected lysate)

Western Blot analysis of FBXW7 expression in transfected 293T cell line ([H00055294-T01](#)) by FBXW7 MaxPab polyclonal antibody.

Lane 1: FBXW7 transfected lysate(68.97 KDa).

Lane 2: Non-transfected lysate.

### Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length human FBXW7 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen                     | FBXW7 (NP_060785.2, 1 a.a. ~ 627 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                      | MCVPRSGILSCICLYCGVLLPVLLPNLPFLTCLSMSTLESVTYLPEKGLYCQRLPSSRTHGGTESL<br>KGKNTENMGFYGTLMIFYKMKRKLDHGSEVRSFSLGKKPCKVSEYTSTTGLVPCSATPTTFGDL<br>RAANGQQGQRRRITSVQPPTGLQEWLKMFQSWSGPEKLLALDELIDSEPTQVKHMMQVIEPQF<br>QRDFISLLPKELALYVLSFLEPKDLLQAAQTCRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIK<br>PGFIHSPWKSA YRQHRIDTNWRRGELKSPKVLKGHDDHVITCLQFCGNRIVSGSDDNTLKVWSA<br>VTGKCLRTLVGHTGGVWSSQMRDNIISGSTDRTLKVWNAETGECIHTLYGHTSTVRCMHLHEKRV<br>VSGSRDATLRVWDIETGQCLHVLGMHVAAVRCVQYDGRRVVSGAYDFMVKVWDPETETCLHTL<br>QGHTNRVYSLQFDGIHVVSGLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTV<br>KIWDIKTGQCLQLQGPNKHQSAVTCLQFNKNFVITSSDDGTVKLWDLKTGEFIRNLVTLES GGS<br>GVVWRIRASNTKLVCVAVGSRNGTEETKLLVLDFD VDMK |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Interspecies Antigen Sequence | Mouse (99)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

## Gene Info — FBXW7

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">55294</a>                                                                |
| GeneBank Accession# | <a href="#">NM_018315.3</a>                                                          |
| Protein Accession#  | <a href="#">NP_060785.2</a>                                                          |
| Gene Name           | FBXW7                                                                                |
| Gene Alias          | AGO, CDC4, DKFZp686F23254, FBW6, FBW7, FBX30, FBXO30, FBXW6, FLJ16457, SEL-10, SEL10 |
| Gene Description    | F-box and WD repeat domain containing 7                                              |
| Omim ID             | <a href="#">606278</a>                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                            |

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | <p>This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene was previously referred to as FBX30, and belongs to the Fbws class; in addition to an F-box, this protein contains 7 tandem WD40 repeats. This protein binds directly to cyclin E and probably targets cyclin E for ubiquitin-mediated degradation. Mutations in this gene are detected in ovarian and breast cancer cell lines, implicating the gene's potential role in the pathogenesis of human cancers. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq]</p> |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Other Designations**

F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila)|F-box protein FBW7|F-box protein SEL-10|archipelago homolog|archipelago, Drosophila, homolog of|homolog of C elegans sel-10

**Publication Reference**

- [Cell cycle-dependent ubiquitylation and destruction of NDE1 by CDK5-FBW7 regulates ciliary length.](#)

Dipak Maskey, Matthew Caleb Marlin, Seokho Kim, Sehyun Kim, E-Ching Ong, Guangpu Li, Leonidas Tsiokas.

The EMBO Journal 2015 Oct; 34(19):2424.

Application: IF, WB-Tr, Human, RPE1-hTERT, DLD-1 cells

**Pathway**

- [Ubiquitin mediated proteolysis](#)

**Disease**

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)

- [Wilms Tumor](#)