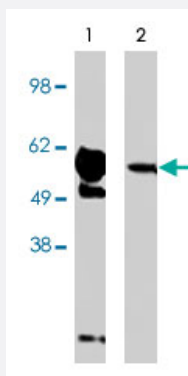


FBXW7 polyclonal antibody

Catalog # PAB9873

Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot using FBXW7 polyclonal antibody on human brain lysate (15 ug/lane).

Antibody used at 10 ug/mL (1) and 1 ug/mL (2).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FBXW7.
Immunogen	A synthetic peptide corresponding to human FBXW7.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Gene Info — FBXW7

Entrez GeneID [55294](#)

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 [606278](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

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

- [Skp2 Depletion Reduces Tumor-Initiating Properties and Promotes Apoptosis in Synovial Sarcoma.](#)

Jichuan Wang, Kenji Sato, Ed O'Donnell, Amit Singla, Simon Yaguare, Osama Aldahamsheh, Brian Batko, Hasibagan Borjihan, Janet Tingling, Jinghang Zhang, Daniel A Weiser, David M Loeb, Richard Gorlick, Edward L Schwartz, Rui Yang, Xiaolin Zi, Hongling Zhao, David S Geller, Bang H Hoang.

Translational Oncology 2020 Oct; 13(10):100809.

Application: WB-Ce, Human, Hssy-II, Syo-1 cells

- [Human F-box protein hCdc4 targets cyclin E for proteolysis and is mutated in a breast cancer cell line.](#)

Strohmaier H, Spruck CH, Kaiser P, Won KA, Sangfelt O, Reed SI.

Nature 2001 Sep; 413(6853):316.

Application: IP, WB, Human, 184A1, KB, SUM149PT, T47D cells

- [Archipelago regulates Cyclin E levels in Drosophila and is mutated in human cancer cell lines.](#)

Moberg KH, Bell DW, Wahrer DC, Haber DA, Hariharan IK.

Nature 2001 Sep; 413(6853):311.

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](#)