

FBXW7 rabbit monoclonal antibody

Catalog # H00055294-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human FBXW7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human FBXW7 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human FBXW7 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — FBXW7

Entrez GeneID	55294
GeneBank Accession#	FBXW7
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

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](#)