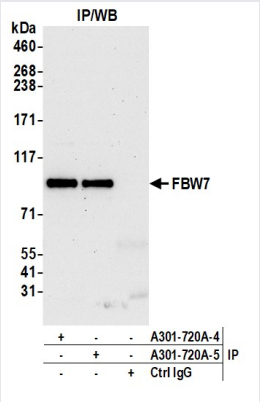
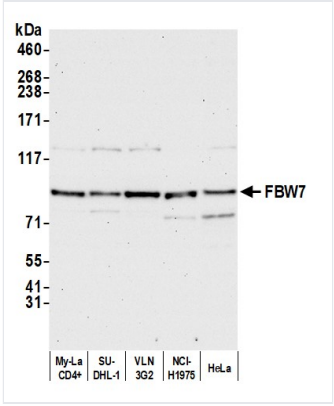
FBW7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FBW7, Polyclonal Antibody
Full Product Name	Rabbit anti-FBW7 Antibody, Affinity Purified
Product Gene Name	anti-FBW7 antibody
Product Synonym Gene Name	FBXW7
Product Synonym Names	FBW7; FBX30; FBXO30; FBXW6; hAgo; hCdc4; FBW6; SEL10; F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila); SEL-10; homolog of C elegans sel-10; F-box/WD repeat-containing protein 7; F-box protein SEL-10; F-box protein FBX30; F-box and WD-40 domain-containing protein 7; F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase; CDC4; Archipelago homolog; archipelago; AGO; F-box protein FBW7; F-box/WD repeat-containing protein 7; F-box and WD repeat domain containing 7
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	66,120 Da
OMIM	606278
3D Structure	ModBase 3D Structure for Q969H0
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Product Categories/Family for anti-FBW7 antibody	Primary Antibodies
Applications Tested/Suitable for anti-FBW7 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-FBW7 antibody	WB: 1:10,000-1:25,000 IP: 6ug/mg lysate
Related Product Information for anti-FBW7 antibody	FBW7 (F-box and WD repeat domain containing 7) is a member of the F-box family of proteins. The F-box is a protein-protein interaction motif first identified in cyclin F. F-box proteins associate with SCFs (Skp1-cullin-F-box protein ligase complexes) which are E3 ligases that ubiquitinate proteins and target them for proteasomal degradation. FBW7 has been found to bind and specifically target cyclin E and the Notch intracellular domain (NICD) for ubiquitination. Defects in FBW7 may contribute to tumorigenesis.
Other Notes	Small volumes of anti-FBW7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FBW7 purchase	MBS3902174 is an antibody targeting FBW7. Also known as Rabbit anti-FBW7 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-FBW7 antibody
Detection of human FBW7 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from VLN3G2 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FBW7 antibody (MBS3902174 lot 6) used for IP at 6 ug per reaction. FBW7 was also immunoprecipitated by a previous lot of this antibody (MBS3902174 lot 5) and a second antibody against a different epitope of FBW7 (MBS3902175). For blotting immunoprecipitated FBW7, MBS3902174 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Western Blot (WB) of anti-FBW7 antibody
Detection of human FBW7 by western blot. Samples: Whole cell lysate (50 ug) from My-La CD4+, SU-DHL-1, VLN3G2, and NCI-H1975 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FBW7 antibody (MBS3902174 lot 6) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBW7. It may not necessarily be applicable to this product.

NCBI GI #	16117779
NCBI GeneID	55294
NCBI Accession #	NP_060785.2
UniProt Primary Accession #	Q969H0
UniProt Secondary Accession #	Q68DR0; Q96A16; Q96LE0; Q96RI2; Q9NUX6; B7ZLP9
UniProt Related Accession #	Q969H0
GenBank Nucleotide #	NM_018315.4
NCBI Official Full Name	F-box/WD repeat-containing protein 7 isoform 2
NCBI Official Synonym Full Names	F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase
NCBI Official Symbol	FBXW7
NCBI Official Synonym Symbols	AGO; CDC4; FBW6; FBW7; hAgo; FBX30; FBXW6; SEL10; hCdc4; FBXO30; SEL-10
UniProt Protein Name	F-box/WD repeat-containing protein 7
UniProt Synonym Protein Names	Archipelago homolog; hAgo; F-box and WD-40 domain-containing protein 7; F-box protein FBX30; SEL-10; hCdc4
UniProt Gene Name	FBXW7
UniProt Synonym Gene Names	FBW7; FBX30; SEL10; hAgo
UniProt Entry Name	FBXW7_HUMAN
NCBI Protein Information	F-box/WD repeat-containing protein 7; archipelago; F-box protein FBW7; F-box protein FBX30; F-box protein SEL-10; homolog of C elegans sel-10; F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila)

NCBI Summary for FBW7	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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]
Research Articles on FBW7	**1.** Data propose that control of GATA3 levels by Fbw7 contributes to the fine-tuning of T-cell development.
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