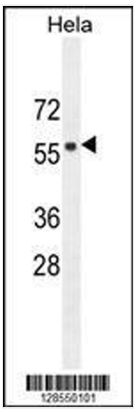
FBXW8 Antibody – Rabbit Polyclonal

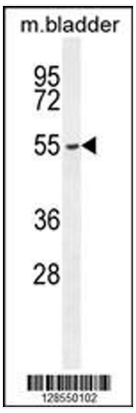
PRODUCT OVERVIEW

Product Name	FBXW8, Polyclonal Antibody
Full Product Name	FBXW8, ID (FBXW8, FBW6, FBW8, FBX29, FBXO29, FBXW6, F-box/WD repeat-containing protein 8, F-box and WD-40 domain-containing protein 8, F-box only protein 29) (Azide free) (HRP)
Product Gene Name	anti-FBXW8 antibody
Product Synonym Names	FBXW8; FBW6; FBW8; FBX29; FBXO29; FBXW6; F-box/WD repeat-containing protein 8; F-box and WD-40 domain-containing protein 8; F-box only protein 29
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	60,705 Da
OMIM	609073
3D Structure	ModBase 3D Structure for Q8N3Y1
Immunogen	FBXW8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-303 amino acids from the Central region of human FBXW8.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-FBXW8 antibody	Antibodies; WD Repeat Proteins
Applications Tested/Suitable for anti-FBXW8 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-FBXW8 antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-FBXW8 antibody	MBS6298564 is an antibody targeting FBXW8. Also known as FBXW8, ID (FBXW8, FBW6, FBW8, FBX29, FBXO29, FBXW6, F-box/WD repeat-containing protein 8, F-box and WD-40 domain-containing protein 8, F-box only protein 29) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-FBXW8 antibody	Tsutsumi, T., et al. Mol. Cell. Biol. 28(2):743-751(2008). Koch, H.B., et al. Cell Cycle 6(2):205-217(2007). Okabe, H., et al. PLoS ONE 1, E128 (2006): Watanabe, N., et al. Proc. Natl. Acad. Sci. U.S.A. 101(13):4419-4424(2004). Dias, D.C., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16601-16606(2002).

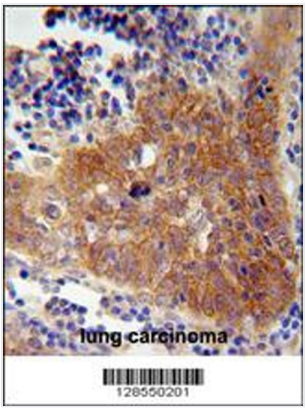
Other Notes	Small volumes of anti-FBXW8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



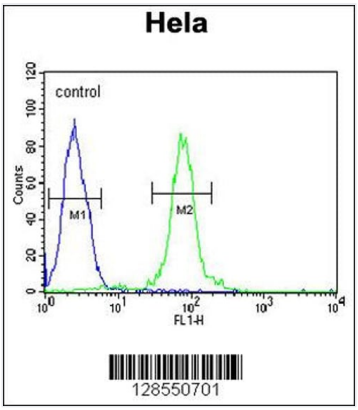
Western Blot (WB) of anti-FBXW8 antibody
FBXW8 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the FBXW8 antibody detected the FBXW8 protein (arrow).



Western Blot (WB) of anti-FBXW8 antibody
FBXW8 Antibody (Center) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the FBXW8 antibody detected the FBXW8 protein (arrow).



Immunohistochemistry (IHC) of anti-FBXW8 antibody
FBXW8 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FBXW8 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-FBXW8 antibody
FBXW8 Antibody (Center) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBXW8. It may not necessarily be applicable to this product.

NCBI GI #	30795120
NCBI GeneID	26259
NCBI Accession #	NP_036306.1
UniProt Primary Accession #	Q8N3Y1
UniProt Secondary Accession #	Q9UK95
UniProt Related Accession #	Q8N3Y1
GenBank Nucleotide #	NM_012174
NCBI Official Full Name	Homo sapiens F-box and WD repeat domain containing 8 (FBXW8), transcript variant 2, mRNA
NCBI Official Synonym Full Names	F-box and WD repeat domain containing 8
NCBI Official Symbol	FBXW8
NCBI Official Synonym Symbols	FBW6; FBW8; FBX29; FBXW6; FBXO29

UniProt Protein Name	F-box/WD repeat-containing protein 8
UniProt Synonym Protein Names	F-box and WD-40 domain-containing protein 8; F-box only protein 29
Protein Family	F-box/WD repeat-containing protein
UniProt Gene Name	FBXW8
UniProt Synonym Gene Names	FBW6; FBW8; FBX29; FBXO29; FBXW6
UniProt Entry Name	FBXW8_HUMAN
NCBI Protein Information	F-box/WD repeat-containing protein 8; F-box and WD-40 domain protein 8; F-box and WD-40 domain-containing protein 8; F-box only protein 29
NCBI Summary for FBXW8	This gene encodes a member of the F-box protein family, members of which are 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 three 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 contains a WD-40 domain, in addition to an F-box motif, so it belongs to the Fbw class. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for FBXW8	FBXW8: Substrate-recognition component of a SCF (SKP1-CUL1-F- box protein)-type E3 ubiquitin-protein ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; Cell development/differentiation Chromosomal Location of Human Ortholog: 12q24.22 Cellular Component: Golgi apparatus; perinuclear region of cytoplasm; cytoplasm; SCF ubiquitin ligase complex Molecular Function: protein binding; ubiquitin-protein ligase activity Biological Process: cell proliferation; protein ubiquitination; positive regulation of dendrite morphogenesis; Golgi organization and biogenesis
Research Articles on FBXW8	**1.** findings will shed light the role to mechanism of miR-218 in regulating JEG-3 cells proliferation via miR-218/Fbxw8 axis, and miR-218 may serve as a novel potential therapeutic target in human choriocarcinoma in the future
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