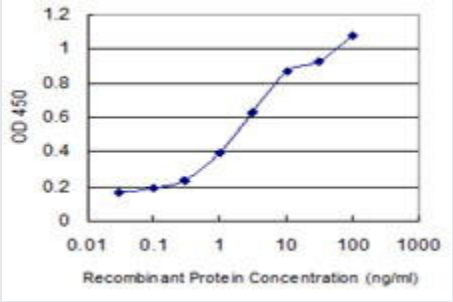
WWP1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	WWP1, Monoclonal Antibody
Full Product Name	WWP1 (WW Domain Containing E3 Ubiquitin Protein Ligase 1, AIP5, DKFZp434D2111, Tiul1, hSDRP1) (FITC)
Product Gene Name	anti-WWP1 antibody
Product Synonym Names	WW Domain Containing E3 Ubiquitin Protein Ligase 1; AIP5; DKFZp434D2111; Tiul1; hSDRP1
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2B7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes WWP1.
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 stor 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 r buffer. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	105kDa
OMIM	AL136739 mRNA
3D Structure	ModBase 3D Structure for Q9H0M0
Immunogen	WWP1 (NP_008944, 152aa-260aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	CSSSPTIEIQENGDALHENGEPSARTTARLAVEGTNGIDNHVPTSTLVQNSCCSYVVNGDNTPSSPSQVAARPKNTPAPKPLASEPADDTVNGESSSFAP
Conjugate	FITC
Product Categories/Family for anti-WWP1 antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-WWP1 antibody	Western Blot (WB)
Application Notes for anti-WWP1 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-WWP1 antibody	WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as pr degradation, transcription, and RNA splicing. This gene encodes a protein which contains 4 tandem WW domains and a HECT (homologous to the E6- protein carboxyl terminus) domain. The encoded protein belongs to a family of NEDD4-like proteins, which are E3 ubiquitin-ligase molecules and regula trafficking decisions, including targeting of proteins to proteosomes or lysosomes. Alternative splicing of this gene generates at least 6 transcript variant the full length nature of these transcripts has not been defined. [provided by RefSeq]
Other Notes	Small volumes of anti-WWP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 may apply.
Searchable Terms for WWP1 purchase	MBS6178239 is an antibody targeting WWP1. Also known as WWP1 (WW Domain Containing E3 Ubiquitin Protein Ligase 1, AIP5, DKFZp434D2111, hSDRP1) (FITC). Host: Mouse.



Testing Data of anti-WWP1 antibody
Detection limit for recombinant GST tagged WWP1 is 0.03 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WWP1. It may not necessarily be applicable to this product.

NCBI GI #	13654239
NCBI GeneID	11059
NCBI Accession #	NP_008944
UniProt Primary Accession #	Q9H0M0
UniProt Related Accession #	Q9H0M0
GenBank Nucleotide #	NM_007013
NCBI Official Full Name	NEDD4-like E3 ubiquitin-protein ligase WWP1
NCBI Official Synonym Full Names	WW domain containing E3 ubiquitin protein ligase 1
NCBI Official Symbol	WWP1
NCBI Official Synonym Symbols	AIP5; Tiul1; hSDRP1
UniProt Protein Name	NEDD4-like E3 ubiquitin-protein ligase WWP1
UniProt Synonym Protein Names	Atrophin-1-interacting protein 5; AIP5; HECT-type E3 ubiquitin transferase WWP1; TGIF-interacting ubiquitin ligase 1; Tiul1; WW domain-containing protein 1
Protein Family	NEDD4-like E3 ubiquitin-protein ligase
UniProt Gene Name	WWP1
UniProt Synonym Gene Names	AIP5; Tiul1
NCBI Protein Information	NEDD4-like E3 ubiquitin-protein ligase WWP1

UniProt Comments for WWP1	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Ubiquitinates ERBB4 isoforms JM-A CYT-1 and JM-B CYT-1, KLF2, KLF5 and TP63 and promotes their proteasomal degradation. Ubiquitinates RNF11 without targeting it for degradation. Ubiquitinates and promotes degradation of TGFBR1; the ubiquitination is enhanced by SMAD7. Ubiquitinates SMAD6 and SMAD7. Ubiquitinates and promotes degradation of SMAD2 in response to TGF-beta signaling, which requires interaction with TGIF.
Research Articles on WWP1	**1.** Provide molecular insights into the anti-cancer potential of WWP1 inhibition.
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