ARG42667
anti-WWP1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes WWP1
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	WWP1
Species	Human
Immunogen	Fusion protein of Human WWP1.
Conjugation	Un-conjugated
Alternate Names	NEDD4-like E3 ubiquitin-protein ligase WWP1; WW domain-containing protein 1; EC 6.3.2.-; Atrophin-1-interacting protein 5; Tiul1; hSDRP1; AIP5; TGIF-interacting ubiquitin ligase 1

Application Instructions

Application table

Application	Dilution
IHC-P	1:30 - 1:150
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	WB: MDA-MB-231 and HeLa cell lysates IHC-P: Human esophagus cancer tissue
Observed Size	~ 110 kDa

Properties

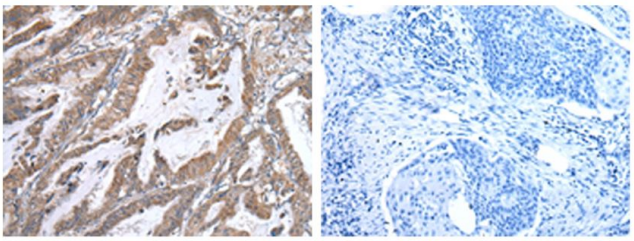
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	0.4 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

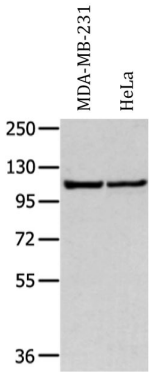
Gene Symbol	WWP1
Gene Full Name	WW domain containing E3 ubiquitin protein ligase 1
Background	WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein which contains 4 tandem WW domains and a HECT (homologous to the E6-associated protein carboxyl terminus) domain. The encoded protein belongs to a family of NEDD4-like proteins, which are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteosomes or lysosomes. Alternative splicing of this gene generates at least 6 transcript variants; however, the full length nature of these transcripts has not been defined. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Calculated Mw	105 kDa
PTM	Auto-ubiquitinated and ubiquitinated by RNF11. [UniProt]
Cellular Localization	Cytoplasm. Cell membrane; Peripheral membrane protein. Nucleus. [UniProt]

Images



ARG42667 anti-WWP1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human esophagus cancer tissue stained with ARG42667 anti-WWP1 antibody (left) at 1:40 dilution, or the same antibody pre-incubated with fusion protein (right). (Original magnification: X200)



ARG42667 anti-WWP1 antibody WB image

Western blot: 40 µg of MDA-MB-231 and HeLa cell lysates stained with ARG42667 anti-WWP1 antibody at 1:500 dilution.