

WWP1 rabbit pAb

Catalog No :	YT8121
Reactivity :	Human;Mouse
Applications :	IHC;WB
Target :	WWP1
Gene Name :	WWP1
Protein Name :	NEDD4-like E3 ubiquitin-protein ligase WWP1 (EC 6.3.2.-) (Atrophin-1-interacting protein 5) (AIP5) (TGIF-interacting ubiquitin ligase 1) (Tiul1) (WW domain-containing protein 1)
Human Gene Id :	11059
Human Swiss Prot No :	Q9H0M0
Mouse Gene Id :	107568
Mouse Swiss Prot No :	Q8BZZ3
Immunogen :	Synthesized peptide derived from human N-terminal WWP1
Specificity :	This antibody detects endogenous levels of WWP1 at Human, Mouse
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 101kD

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.

Subcellular Location : Cytoplasm . Cell membrane ; Peripheral membrane protein . Nucleus .

Expression : Detected in heart, placenta, pancreas, kidney, liver, skeletal muscle, bone marrow, fetal brain, and at much lower levels in adult brain and lung. Isoform 1 and isoform 5 predominate in all tissues tested, except in testis and bone marrow, where isoform 5 is expressed at much higher levels than isoform 1.

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