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WWP1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58505

Specification

WWP1 Polyclonal Antibody - Product Information

Application	**IHC-P**
Primary Accession	Q9H0M0
Reactivity	**Rat, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**105202**

WWP1 Polyclonal Antibody - Additional Information

Gene ID 11059

Other Names
NEDD4-like E3 ubiquitin-protein ligase WWP1, 2.3.2.26, Atrophin-1-interacting protein 5, AIP5, HECT-type E3 ubiquitin transferase WWP1, TGIF-interacting ubiquitin ligase 1, Tiul1, WW domain-containing protein 1, WWP1

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

WWP1 Polyclonal Antibody - Protein Information

Name WWP1

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. Activates the Hippo signaling pathway in response to cell contact inhibition and recruitment to the Crumbs complex at the cell membrane (PubMed:34404733). Monoubiquitinates AMOTL2 which facilitates its interaction with and activation of LATS2 (PubMed:34404733). LATS2 then phosphorylates YAP1, excluding it from the nucleus and therefore ultimately represses YAP1-driven transcription of target genes (PubMed:34404733).

Cellular Location
Cytoplasm. Cell membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8BZZ3}. Nucleus {ECO:0000250|UniProtKB:Q8BZZ3} Cell junction. Note=Translocates to the plasma membrane in response to increased cell-cell contact inhibition and subsequent interaction with the Crumbs complex

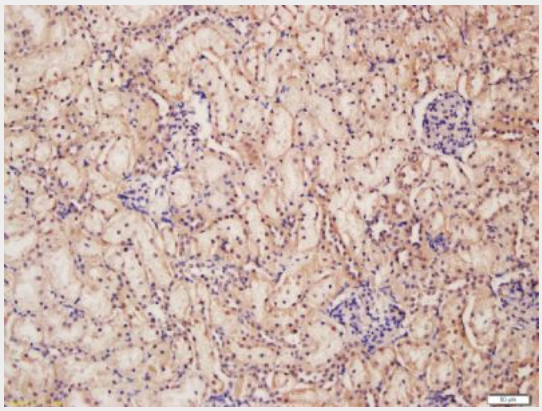
Tissue Location
Detected in heart, placenta, pancreas, kidney, liver, skeletal muscle, bone marrow, fetal brain, and at much lower levels in adult brain and lung. Isoform 1 and isoform 5 predominate in all tissues tested, except in testis and bone marrow, where isoform 5 is expressed at much higher levels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

WWP1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WWP1 Polyclonal Antibody - Images



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-WWP1 Polyclonal Antibody, Unconjugated(bs-6753R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining