

WWP2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21188a**Specification**

WWP2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O00308
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	98912

WWP2 Antibody (N-term) - Additional Information**Gene ID** 11060**Other Names**

NEDD4-like E3 ubiquitin-protein ligase WWP2, 632-, Atrophin-1-interacting protein 2, AIP2, WW domain-containing protein 2, WWP2

Target/Specificity

This WWP2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 218-252 amino acids from the N-terminal region of human WWP2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

WWP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

WWP2 Antibody (N-term) - Protein Information**Name** WWP2

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.

Polyubiquitinates POU5F1 by 'Lys-63'-linked conjugation and promotes it to proteasomal degradation; in embryonic stem cells (ESCs) the ubiquitination is proposed to regulate POU5F1 protein level. Ubiquitinates EGR2 and promotes it to proteasomal degradation; in T- cells the ubiquitination inhibits activation-induced cell death. Ubiquitinates SLC11A2; the ubiquitination is enhanced by presence of NDFIP1 and NDFIP2. Ubiquitinates RPB1 and promotes it to proteasomal degradation.

Cellular Location

Nucleus

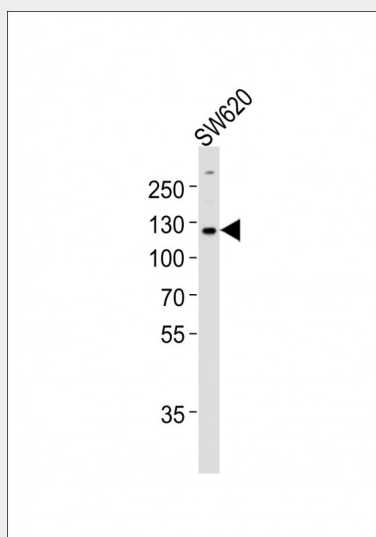
Tissue Location

Detected in heart, throughout the brain, placenta, lung, liver, muscle, kidney and pancreas. Also detected in spleen and peripheral blood leukocytes.

WWP2 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

WWP2 Antibody (N-term) - Images

Anti-WWP2 Antibody (N-term) at 1:1000 dilution + SW620 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 99 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

WWP2 Antibody (N-term) - Background

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. Polyubiquitinates

POU5F1 by 'Lys-63'-linked conjugation and promotes it to proteasomal degradation; in embryonic stem cells (ESCs) the ubiquitination is proposed to regulate POU5F1 protein level. Ubiquitinates EGR2 and promotes it to proteasomal degradation; in T-cells the ubiquitination inhibits activation-induced cell death. Ubiquitinates SLC11A2; the ubiquitination is enhanced by presence of NDFIP1 and NDFIP2. Ubiquitinates RPB1 and promotes it to proteasomal degradation.

WWP2 Antibody (N-term) - References

Pirozzi G.,et al.J. Biol. Chem. 272:14611-14616(1997).
Jiang G.Y.,et al.Submitted (SEP-2011) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
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