

**WWP1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10210c****Specification**

---

**WWP1 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O9H0M0](#)  
Other Accession [NP\\_008944.1](#)

**WWP1 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 11059

**Other Names**

NEDD4-like E3 ubiquitin-protein ligase WWP1, 632-, Atrophin-1-interacting protein 5, AIP5, TGIF-interacting ubiquitin ligase 1, Tiul1, WW domain-containing protein 1, WWP1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**WWP1 Antibody (Center) Blocking peptide - 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.

**Cellular Location**

Cytoplasm. Cell membrane; Peripheral membrane protein. Nucleus

**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 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **WWP1 Antibody (Center) Blocking peptide - Images**

## **WWP1 Antibody (Center) Blocking peptide - 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 proteasomes 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].

## **WWP1 Antibody (Center) Blocking peptide - References**

Edwards, T.L., et al. Biochem. J. 423(1):31-39(2009) Li, Y., et al. Oncogene 28(33):2948-2958(2009) Xin, X., et al. Genome Res. 19(7):1262-1269(2009) Chen, C., et al. Int. J. Cancer 124(12):2829-2836(2009) Eastman, S.W., et al. J. Cell Biol. 184(6):881-894(2009)