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WWP2 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP21188a

Specification

WWP2 Blocking Peptide (N-term) - Product Information

Primary Accession O00308

WWP2 Blocking Peptide (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
The synthetic peptide sequence is selected from aa 218-232 of HUMAN WWP2

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.

WWP2 Blocking Peptide (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 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

WWP2 Blocking Peptide (N-term) - Images

WWP2 Blocking Peptide (N-term) - Background

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WWP2 Blocking Peptide (N-term) - References

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Jiang G.Y.,et al.Submitted (SEP-2011) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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