

PPP1R13B Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7581a**Specification**

PPP1R13B Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q96KQ4](#)**PPP1R13B Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23368**Other Names**

Apoptosis-stimulating of p53 protein 1, Protein phosphatase 1 regulatory subunit 13B, PPP1R13B, ASPP1, KIAA0771

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7581a](/products/AP7581a) was selected from the N-term region of human PPP1R13B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

PPP1R13B Antibody (N-term) Blocking Peptide - Protein Information**Name** PPP1R13B**Synonyms** ASPP1, KIAA0771**Function**

Regulator that plays a central role in regulation of apoptosis via its interaction with p53/TP53 (PubMed: [11684014](http://www.uniprot.org/citations/11684014), PubMed: [12524540](http://www.uniprot.org/citations/12524540)). Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo.

Cellular Location

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Some fraction is nuclear

Tissue Location

Reduced expression in breast carcinomas expressing a wild-type TP53 protein.

PPP1R13B Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PPP1R13B Antibody (N-term) Blocking Peptide - Images**PPP1R13B Antibody (N-term) Blocking Peptide - Background**

PPP1R13B is a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. This protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. ASPP proteins are required for the induction of apoptosis by p53-family proteins. They promote DNA binding and transactivation of p53-family proteins on the promoters of proapoptotic genes. Expression of this gene is regulated by the E2F transcription factor.

PPP1R13B Antibody (N-term) Blocking Peptide - References

Agirre,X., Oncogene 25 (13), 1862-1870 (2006)Liu,Z.J., Biochim. Biophys. Acta 1756 (1), 77-80 (2005)Bergamaschi,D., Oncogene 24 (23), 3836-3841 (2005)