

**TP53BP2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16353a****Specification**

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**TP53BP2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q13625](#)**TP53BP2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 7159**Other Names**

Apoptosis-stimulating of p53 protein 2, Bcl2-binding protein, Bbp, Renal carcinoma antigen NY-REN-51, Tumor suppressor p53-binding protein 2, 53BP2, p53-binding protein 2, p53BP2, TP53BP2, ASPP2, BBP

**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.

**TP53BP2 Antibody (N-term) Blocking Peptide - Protein Information****Name** TP53BP2**Synonyms** ASPP2, BBP**Function**

Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions with proteins such as TP53 (PubMed: <http://www.uniprot.org/citations/12524540> target="\_blank">12524540</a>). Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of NAE1 to conjugate NEDD8 to CUL1, and thereby decreases NAE1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42.

**Cellular Location**

Cytoplasm, perinuclear region. Nucleus. Note=Predominantly found in the perinuclear region. Some small fraction is nuclear. Sequester in the cytoplasm on overexpression of DDX42

**Tissue Location**

Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and

peripheral blood leukocyte. Reduced expression in breast carcinomas expressing a wild- type TP53 protein. Overexpressed in lung cancer cell lines

### **TP53BP2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **TP53BP2 Antibody (N-term) Blocking Peptide - Images**

### **TP53BP2 Antibody (N-term) Blocking Peptide - Background**

TP53BP2 is a member of the ASPP(apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. It is localized to the perinuclear region of the cytoplasm, and regulates apoptosis and cell growth through interactions with other regulatory molecules including members of the p53 family. Multiple transcript variants encoding different isoforms have been found for this gene.

### **TP53BP2 Antibody (N-term) Blocking Peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Zhao, J., et al. Hepatology 51(1):142-153(2010)Hirata, H., et al. J. Urol. 182(2):721-727(2009)Kweekel, D.M., et al. Br. J. Cancer 101(2):357-362(2009)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)