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TP73 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8881c

Specification

TP73 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O15350

TP73 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 7161

Other Names
Tumor protein p73, p53-like transcription factor, p53-related protein, TP73, P73

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8881c was selected from the Center region of human TP73. 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.

TP73 Antibody (Center) Blocking Peptide - Protein Information

Name TP73

Synonyms P73

TP73 Antibody (Center) Blocking Peptide - Background

TP73 is tumor protein p73, which is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The family members include p53, p63, and p73 and have high sequence similarity to one another, which allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can interact with each other in many ways involving direct or indirect protein interactions, resulting in regulation of the same target gene promoters or regulation of each other's promoters. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors.

TP73 Antibody (Center) Blocking Peptide - References

Mai,M., et.al., Genomics 51 (3), 359-363 (1998)Mai,M., et.al., Oncogene 17 (13), 1739-1741 (1998)

Function
Participates in the apoptotic response to DNA damage. Isoforms containing the transactivation domain are pro-apoptotic, isoforms lacking the domain are anti-apoptotic and block the function of p53 and transactivating p73 isoforms. May be a tumor suppressor protein.

Cellular Location
Nucleus. Cytoplasm. Note=Accumulates in the nucleus in response to DNA damage

Tissue Location
Expressed in striatal neurons of patients with Huntington disease (at protein level). Brain, kidney, placenta, colon, heart, liver, spleen, skeletal muscle, prostate, thymus and pancreas Highly expressed in fetal tissue.

TP73 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides