



p73 Monoclonal Antibody

Catalog No	YP-mAb-00573
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TP73
Protein Name	Tumor protein p73
Immunogen	The antiserum was produced against synthesized peptide derived from human p73 around the non-acetylation site of Lys321. AA range:281-330
Specificity	p73 Monoclonal Antibody detects endogenous levels of p73 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TP73; P73; Tumor protein p73; p53-like transcription factor; p53-related protein
Observed Band	70kD
Cell Pathway	Nucleus . Cytoplasm. Accumulates in the nucleus in response to DNA damage.
Tissue Specificity	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. Expressed in the respiratory epithelium (PubMed:34077761).
Function	cofactor: Binds 1 zinc ion per subunit.,disease: Maps to a chromosome region frequently mutated in diverse cell lines of human cancer. Appears not to be frequently mutated in human cancers, in contrast to p53. Hemizygosity is observed in neuroblastoma and oligodendroglioma.,domain: Possesses an acidic transactivation domain, a central DNA binding domain and a C-terminal oligomerization domain that binds to the ABL tyrosine kinase SH3 domain.,domain: The WW-binding motif mediates interaction with WWOX.,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.,induction: Not induced by DNA damage. Isoforms lacking the transactivation domain block gene induction.,miscellaneous: Activ



Background

tumor protein p73(TP73) Homo sapiens This gene encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed (likely from the maternal allele), supports the notion that it is a candidate gene for neuroblastoma. Many transcript variants resulting from alternative splicing and/or use of alternate promoters have been found for this gene, but the biological validity and the full-length nature of some variants have not been determined. [provided by RefSeq, Feb 2011],

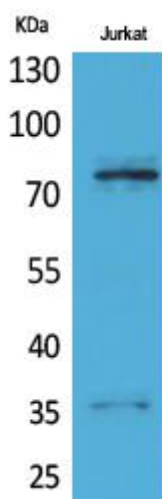
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using p73 Monoclonal Antibody