Best Tools for immunology Research

p73 (Acetyl Lys327) Polyclonal Antibody

Catalog No :	YK0038
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	p73
Gene Name :	TP73
Protein Name :	Tumor protein p73
Human Gene Id :	7161
Human Swiss Prot No :	O15350
Mouse Gene Id :	22062
Mouse Swiss Prot No :	Q9JJP2
Immunogen :	The antiserum was produced against synthesized Acetyl-peptide derived from human p73 around the Acetylation site of Lys327. AA range:291-340
Specificity :	Acetyl-p73 (K327) Polyclonal Antibody detects endogenous levels of p73 protein only when acetylated at K327.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 70kD

Cell Pathway : p53;Neurotrophin;

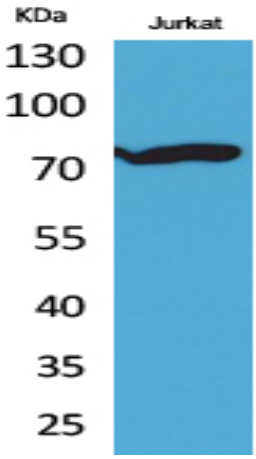
Background : tumor protein p73(TP73) Homo sapiens This gene encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain 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],

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

Subcellular Location : Nucleus . Cytoplasm. Accumulates in the nucleus in response to DNA damage.

Expression : 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).

Products Images



Western Blot analysis of Jurkat cells using Acetyl-p73 (K327) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000