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p73 Antibody

Rabbit mAb
Catalog # AP90619

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	O15350
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	p53-like transcription factor; p53-related protein; P73 alpha protein; p73-alpha; TP73; TRP73; Tumor protein p73;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	69623

Additional Information

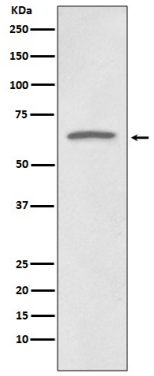
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human p73
Description	p73 IS a protein of the p53 family of proteins. Participates in the apoptotic response to DNA damage. Phosphorylated in a cell cycle-dependent manner and negatively regulated by CDKs. When overproduced, activates transcription from p53-responsive promoters and induces apoptosis. May be a tumor suppressor protein. Seven alternatively-spliced isoforms have been described.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	TP73 (HGNC:12003)
Synonyms	P73
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. Is an activator of FOXJ1 expression (By similarity). It is an essential factor for the positive regulation of lung ciliated cell differentiation (PubMed:34077761).
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. Expressed in the respiratory epithelium (PubMed:34077761).

Images



Western blot analysis of p73 expression in HeLa cell lysate.

Image not found : 202311/AP90619-IHC.jpg

Immunohistochemical analysis of paraffin-embedded rat brain, using p73 Antibody.

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