Product Name: **KD-Validated Tumor Protein P73 Recombinant Rabbit Monoclonal Antibody**

Catalog #: **KVAb00879**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 69.6kDa

Antigen Information

Gene Name	TP73
Alternative Names	TP73; Tumor Protein P73; P73; P53-Like Transcription Factor; P53-Related Protein; CILD47
Gene ID	7161.0
SwissProt ID	O15350
Immunogen	A synthesized peptide derived from human p73

Background

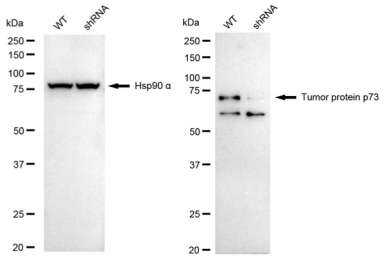
This gene encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration 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]

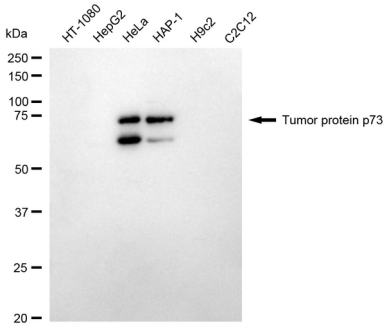
Research Area

Cell Biology,Epigenetics and Nuclear Signaling,Cancer

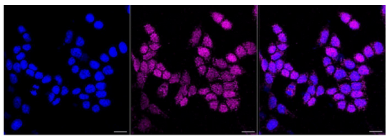
Image Data



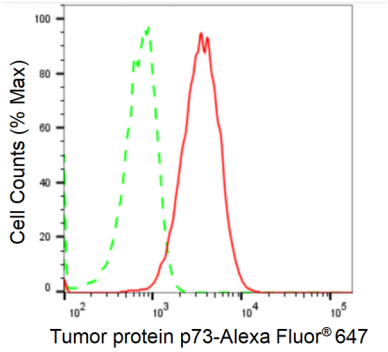
Western blotting analysis using tumor protein p73 antibody (KVAb00879). Tumor protein p73 expression in wild-type (WT) and tumor protein p73 (TP73) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with tumor protein p73 antibody (KVAb00879, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using tumor protein p73 antibody (KVAb00879). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with tumor protein p73 antibody (KVAb00879, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Tumor protein p73 antibody (KVAb00879, 1:1,000) . Nuclei were stained blue with DAPI; Tumor protein p73 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Tumor protein p73 expression in HAP-1 cells using Tumor protein p73 antibody (KVAb00879, 1:2,000). Green, isotype control; red, Tumor protein p73.