10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

p63 Antibody

Rabbit mAb
Catalog # AP90662

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q9H3D4
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	EEC3; KET; LMS; SHFM4; TA p63 alpha; TP63; p51; p73H; p73L; tumor protein p63;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	76785

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:100~1:500 ICC/IF 1:50~1:200 FC 1:500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human p63
Description	Acts as a sequence specific DNA binding transcriptional activator or repressor. The isoforms contain a varying set of transactivation and auto-regulating transactivation inhibiting domains thus showing an isoform specific activity. Isoform 2 activates RIPK4 transcription. May be required in conjunction with TP73/p73 for initiation of p53/TP53 dependent apoptosis in response to genotoxic insults and the presence of activated oncogenes. Involved in Notch signaling by probably inducing JAG1 and JAG2. Plays a role in the regulation of epithelial morphogenesis.
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

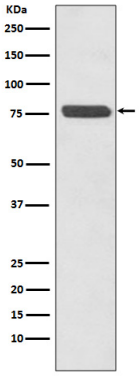
Name	TP63
Synonyms	KET, P63, P73H, P73L, TP73L
Function	Acts as a sequence specific DNA binding transcriptional activator or repressor. The isoforms contain a varying set of transactivation and auto-regulating transactivation inhibiting domains thus showing an isoform specific activity. Isoform 2 activates RIPK4 transcription. May be required in conjunction with TP73/p73 for initiation of p53/TP53 dependent apoptosis in response to genotoxic insults and the presence of activated oncogenes. Involved in Notch signaling by probably inducing JAG1 and JAG2. Plays a role in the regulation of epithelial morphogenesis. The ratio of DeltaN-type and

TA*-type isoforms may govern the maintenance of epithelial stem cell compartments and regulate the initiation of epithelial stratification from the undifferentiated embryonal ectoderm. Required for limb formation from the apical ectodermal ridge. Activates transcription of the p21 promoter. Binds to an upstream regulatory region of the DSG1 gene and promotes transcription (PubMed:24594668).

Cellular Location Nucleus

Tissue Location Widely expressed, notably in heart, kidney, placenta, prostate, skeletal muscle, testis and thymus, although the precise isoform varies according to tissue type. Progenitor cell layers of skin, breast, eye and prostate express high levels of DeltaN-type isoforms. Isoform 10 is predominantly expressed in skin squamous cell carcinomas, but not in normal skin tissues

Images



Western blot analysis of p63 expression in A431 cell lysate.

Image not found : 202311/AP90662-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human breast, using p63 Antibody.

Image not found : 202311/AP90662-IF.jpg

Immunofluorescent analysis of A431 cells, using p63 Antibody.

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