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p63 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51582

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q9H3D4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76785

Additional Information

Gene ID	8626
Other Names	Tumor protein 63, p63, Chronic ulcerative stomatitis protein, CUSP, Keratinocyte transcription factor KET, Transformation-related protein 63, TP63, Tumor protein p73-like, p73L, p40, p51, TP63, KET, P63, P73H, P73L, TP73L
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human p63. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.
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

Background

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References

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