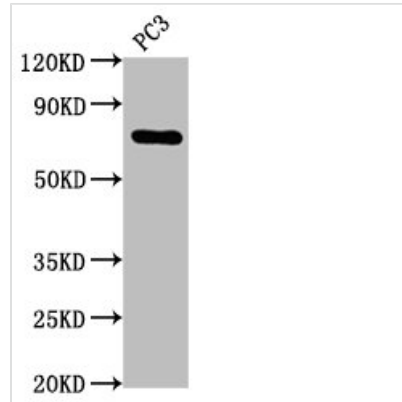




# TP63 Antibody

<b>Product Code</b>	CSB-RA887971A0HU
<b>Abbreviation</b>	Tumor protein 63
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q9H3D4
<b>Immunogen</b>	A synthesized peptide derived from human TP63
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Alias</b>	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
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cell Biology
<b>Gene Names</b>	TP63
<b>Accession NO.</b>	4B3

**Image**


**Western Blot**

Positive WB detected in: PC3 whole cell lysate

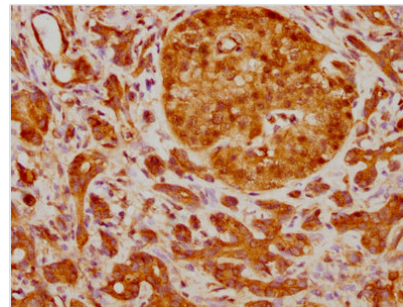
All lanes: TP63 antibody at 2.1µg/ml

**Secondary**

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 66, 63, 52, 56, 45, 58, 47, 68, 57, 77 KDa

Observed band size: 77 KDa



IHC image of CSB-RA887971A0HU diluted at 1:210 and staining in paraffin-embedded human pancreatic cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

**Description**

CUSABIO cloned TP63 antibody-coding genes into plasma vectors and then transfected these vector clones into mammalian cells using a lipid-based transfection reagent. Following transient expression, the recombinant antibodies against TP63 were harvested and characterized. The recombinant TP63 antibody was purified by affinity-chromatography from the culture medium. It can be used to detect TP63 protein from Human in the ELISA, WB, IHC.

TP63 is the encoding gene for p63 protein, a p53-related protein with multiple functions, including cell proliferation, survival, apoptosis, differentiation, senescence, and aging. Especially, p63 has emerged as a key participant in embryonic development, epithelial stem cell maintenance, and differentiation. Mutations in the TP63 gene lead to human developmental disorders that often manifest in epidermal abnormalities. In cancer biology, p63 has been implicated in all facets of carcinogenesis and cancer progression.