

p63alpha Ab

Cat.#: BF0563 Size: 50ul,100ul,200ul	Concn.: 1mg/ml Source: Mouse	Mol.Wt.: 51kDa Clonality: Monoclonal
Application:	ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000	
Reactivity:	Human,Mouse,Rat,Monkey	
Purification:	Affinity-chromatography.	
Specificity:	p63alpha Ab detects endogenous levels of total p63alpha.	
Immunogen:	Purified recombinant fragment of human p63alpha expressed in E. Coli.	
Uniprot:	Q9H3D4	
Description:	The p63 gene is a homologue o gene. Like p53, p63 contains a induce the transcription of targe domain, and an oligomerization tetramers. In contrast to p53, the least six major isotypes. Three is TAp63beta, and TAp63gamma) (TA) domain and are able to tra and induce apoptosis. In contra ( $\Delta$ Np63 $\alpha$ , $\Delta$ Np63beta, $\Delta$ Np63ga an internal promoter localized w domain, and act as dominant-net transactivation by both p53 and highly expressed in the basal co significant for proper limb outgr In differentiating tissues, p63 is stem cell identity of the basal co correct development of the skir p63-deficient mice lack all squa derivatives, including hair, whis mammary, lacrimal, and salivar Widely expressed, notably in he prostate, skeletal muscle, testis precise isoform varies according cell layers of skin, breast, eye a levels of DeltaN-type isoforms. expressed in skin squamous cell normal skin tissues.	transactivation (TA) domain et genes, a DNA binding domain (OD), used to form ne p63 gene encodes for at isotypes (TAp63α, contain the transactivating nsactivate p53 report genes st, the other three isotypes mma) are transcribed from within intron3, lack the TA egatives to suppress d TAp63 isotypes. p63 is ells of the epithelium rowth and morphogenesis.4 crucial for maintaining the ells, and is indispensable for n as well as the limb. mous epithelia and their kers, teeth, as well as by glands.Tissue specificity: eart, kidney, placenta, and thymus, although the g to tissue type. Progenitor nd prostate express high lsoform 10 is predominantly
Subcellular Location:	Nucleus.	
Tissue Specificity:	Widely expressed, notably in he prostate, skeletal muscle, testis	



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.

Similarity: The transactivation inhibitory domain (TID) can interact with, and inhibit the activity of the N-terminal transcriptional activation domain of TA\*-type isoforms.Belongs to the p53 family.

Storage Condition and<br/>Buffer:Mouse IgG1 in phosphate buffered saline (without Mg2+ and<br/>Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50%<br/>glycerol.Store at -20 °C.Stable for 12 months from date of<br/>receipt.



Figure 1: Western blot analysis using  $p63\alpha$  mouse mAb against A431 (1), Hela (2), Jurkat (3), THP-1 (4), NIH/3T3 (5), Cos7 (6) and PC-12 (7) cell lysate.



Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and lung cancer (right) using p63 mouse mAb with DAB staining.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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