



# p63 (phospho Ser395) Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-00182
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TP63
<b>Protein Name</b>	Tumor protein 63
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p63 around the phosphorylation site of Ser395. AA range:361-410
<b>Specificity</b>	Phospho-p63 (S395) Monoclonal Antibody detects endogenous levels of p63 protein only when phosphorylated at S395.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, mouse, IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TP63; KET; P63; P73H; P73L; TP73L; 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
<b>Observed Band</b>	77kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	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.
<b>Function</b>	cofactor:Binds 1 zinc ion per subunit.,disease:Defects in TP63 are a cause of cervical, colon, head and neck, lung and ovarian cancers.,disease:Defects in TP63 are a cause of ectodermal dysplasia Rapp-Hodgkin type (EDRH) [MIM:129400]; also called Rapp-Hodgkin syndrome or anhidrotic ectodermal dysplasia with cleft lip/palate. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EDRH is characterized by the combination of anhidrotic ectodermal dysplasia, cleft lip, and cleft palate. The clinical syndrome is comprised of a characteristic facies (narrow nose and small mouth), wiry, slow-growing, and



uncomable hair, sparse eyelashes and eyebrows, obstructed lacrimal puncta/epiphora, bilateral stenosis of external auditory canals, microsomia, hypodontia, cone-shaped incisors, enamel hypoplasia, dystrophic nails, and

**Background**

tumor protein p63(TP63) *Homo sapiens* This gene encodes a member of the p53 family of transcription factors. The functional domains of p53 family proteins include an N-terminal transactivation domain, a central DNA-binding domain and an oligomerization domain. Alternative splicing of this gene and the use of alternative promoters results in multiple transcript variants encoding different isoforms that vary in their functional properties. These isoforms function during skin development and maintenance, adult stem/progenitor cell regulation, heart development and premature aging. Some isoforms have been found to protect the germline by eliminating oocytes or testicular germ cells that have suffered DNA damage. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrim

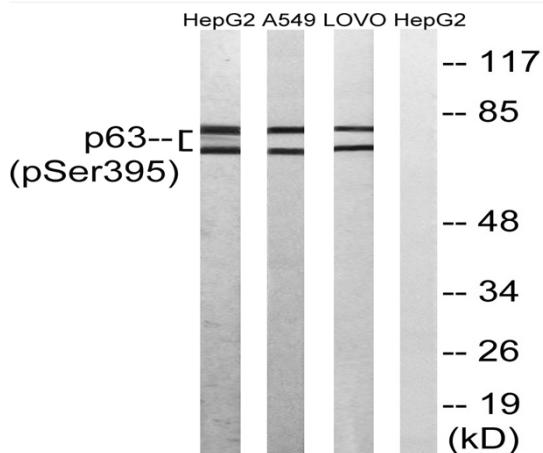
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western blot analysis of lysates from LOVO cells treated with nocodazole 1ug/ml 18h, A549 cells treated with nocodazole 1ug/ml 18h and HepG2 cells treated with nocodazole 1ug/ml 18h, using p63 (Phospho-Ser395) Antibody. The lane on the right is blocked with the phospho peptide.