

Rabbit p63 Polyclonal Antibody | anti-TP63 antibody

Phospho-p63 (Ser160/162) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321363	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

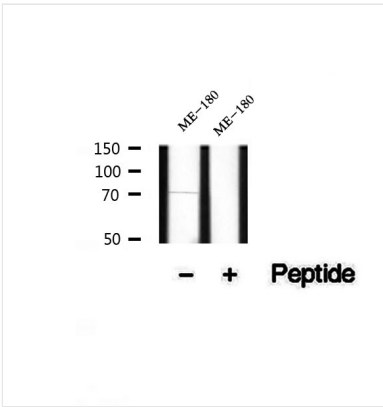
PRODUCT SYNONYMS

p63; Polyclonal Antibody; Phospho-p63 (Ser160/162) Antibody; AIS; Amplified in squamous cell carcinoma; B(p51A); B(p51B); Chronic ulcerative stomatitis protein; CUSP; DN p63 alpha 1; DNp63; EEC3; id:ibd3516; Keratinocyte transcription factor; Keratinocyte transcription factor KET; KET; LMS; MGC115972; MGC192897; NBP; OFC8; OTTHUMP00000209732; OTTHUMP00000209733; OTTHUMP00000209734; OTTHUMP00000209735; OTTHUMP00000209737; OTTHUMP00000209738; OTTHUMP00000209739; OTTHUMP00000209740; OTTHUMP00000209741; OTTHUMP00000209742; OTTHUMP00000209743; OTTHUMP00000209744; p40; p51; P51/P63; p53-related protein p63; p53CP; P63_HUMAN; p73H; p73L; RHS; SHFM4; TAp63alpha; TP53CP; TP53L; TP63; TP73L; Transformation related protein 63; Transformation-related protein 63; Trp53rp1; Trp63; Tumor protein 63; Tumor protein p53-competing protein; Tumor protein p53-like; Tumor protein p63; Tumor protein p63 deltaN isoform delta; Tumor protein p73; Tumor protein p73-like; anti-TP63 antibody

PRODUCT SPECIFICATIONS

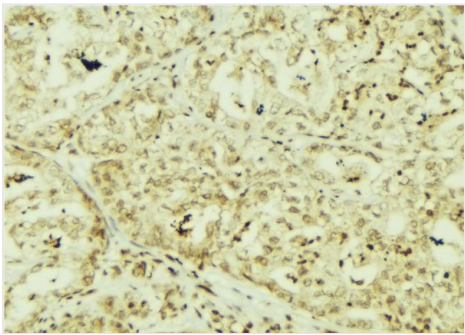
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-p63 (Ser160/162) antibody detects endogenous levels of p63.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	555
Applicable Applications for anti-TP63 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human p63 around the phosphorylation site of Ser160/162.
Subcellular Location	Nucleus.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Epitope	Phospho Ser160, Phospho Ser162
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of ME-180 cells, using Phospho-p63 (Ser160/162) Antibody.



IHC (Immunohistochemistry)

AAA321363 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TP63 antibody	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. Subunit Structure: Binds DNA as a homotetramer. Isoform composition of the tetramer may determine transactivation activity. Isoforms Alpha and Gamma interact with HIPK2. Interacts with SSRP1, leading to stimulate coactivator activity. Isoform 1 and isoform 2 interact with WWP1. Interacts with PDS5A. Isoform 5 (via activation domain) interacts with NOC2L. Post-translational Modifications: May be sumoylated. Ubiquitinated. Polyubiquitination involves WWP1 and leads to proteasomal degradation of this protein. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	169234657
NCBI GeneID	8626
NCBI Accession #	NP_001108450.1
NCBI GenBank Nucleotide #	NM_001114978.1
UniProt Accession #	Q9H3D4; O75080; O75195; O75922; O76078; Q6VEG2; Q6VEG3; Q6VEG4; Q6VFJ1; Q6VFJ2; Q6VFJ3; Q6VH20
Molecular Weight	Observed: 75 kDa Predicted: 77 kDa
NCBI Official Full Name	tumor protein 63 isoform 2
NCBI Official Synonym Full Names	tumor protein p63
NCBI Official Symbol	TP63
NCBI Official Synonym Symbols	AIS; KET; LMS; NBP; RHS; p40; p51; p63; EEC3; OFC8; p73H; p73L; SHFM4; TP53L; TP73L; p53CP; TP53CP; B(p51A); B(p51B)
NCBI Protein Information	tumor protein 63
UniProt Protein Name	Tumor protein 63

UniProt Gene Name	TP63
UniProt Synonym Gene Names	KET; P63; P73H; P73L; TP73L; p63; CUSP; TP63; p73L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p63-antibody-immunohistochemistry-western-blot-elisa/321363>