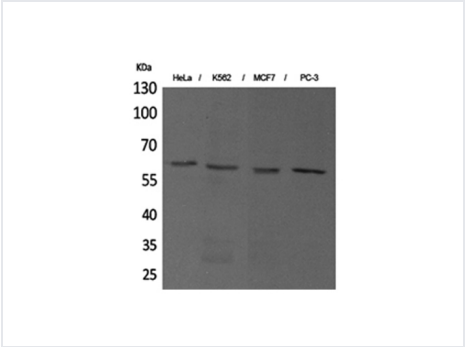
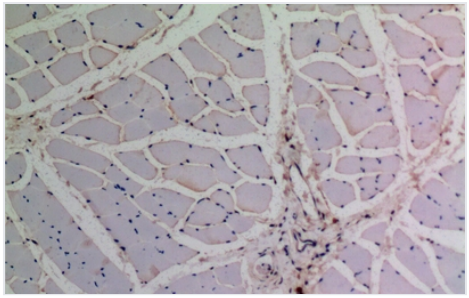
p63 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	p63, Polyclonal Antibody
Full Product Name	p63 Polyclonal Antibody
Product Gene Name	anti-p63 antibody
Product Synonym Names	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
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purified
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 77 Observed MW: 63
OMIM	116949
Immunogen	Synthesized peptide derived from the N-terminal region of human p63.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Product Categories/Family for anti-p63 antibody	Cancer; Cell biology; Epigenetics
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-p63 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-p63 antibody	WB: 1:500-1:2000, ELISA: 1:5000-1:20000
Related Product Information for anti-p63 antibody	MBS2536254 is an antibody targeting p63. Also known as p63 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-p63 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-p63 antibody
Western Blot analysis of Hela, K562, MCF7, PC-3 cells using p63 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (IHC) of anti-p63 antibody
Immunohistochemistry of paraffin-embedded Rat muscle tissue using p63 Polyclonal Antibody at dilution of 1:100.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for p63. It may not necessarily be applicable to this product.

NCBI GI #	243486
NCBI GeneID	994
NCBI Accession #	AAB21139.1
UniProt Secondary Accession #	O43551; Q13971; Q5JX77; Q6RSS1; Q9BRA6; D3DVY1; D3DVY2; D3DVY3; D3DVY4
UniProt Related Accession #	P30305
NCBI Official Full Name	p63
NCBI Official Synonym Full Names	cell division cycle 25B
NCBI Official Symbol	CDC25B
UniProt Protein Name	M-phase inducer phosphatase 2
UniProt Synonym Protein Names	Dual specificity phosphatase Cdc25B
Protein Family	Peroxidase
UniProt Gene Name	CDC25B
UniProt Synonym Gene Names	CDC25HU2
UniProt Entry Name	MPIP2_HUMAN
NCBI Protein Information	M-phase inducer phosphatase 2
NCBI Summary for p63	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist. [provided by RefSeq, Jul 2008]

UniProt Comments for p63	CDC25B: a member of the MPI phosphatase family. Activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. Shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. At least four transcript variants for this gene exist. Three splice variant isoforms have been described. Protein type: EC 3.1.3.48; Nuclear receptor co-regulator; Protein phosphatase, dual-specificity; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 20p13 Cellular Component: centrosome; cytoplasm; cytosol; nucleoplasm; spindle pole Molecular Function: protein binding; protein kinase binding; protein tyrosine phosphatase activity Biological Process: cell division; female meiosis I; G2/M transition of mitotic cell cycle; mitosis; mitotic cell cycle; oocyte maturation; positive regulation of cell proliferation; positive regulation of cytokinesis; positive regulation of mitotic cell cycle; positive regulation of protein kinase activity; protein amino acid phosphorylation
Research Articles on p63	**1.** High CDC25B expression is associated with esophageal carcinoma.
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