

anti-Human p40 Antibody | anti-p40 antibody

Anti-p40 [14D5E8F12]

CATALOG # AAA72366	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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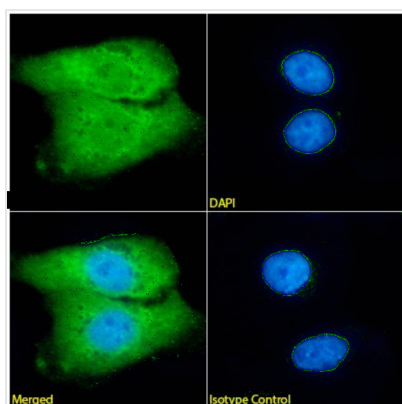
PRODUCT SYNONYMS

p40; Anti-p40 [14D5E8F12]; TP63; CUSP; Tumor protein 63; chronic ulcerative stomatitis protein; Keratinocyte transcription factor KET; Transformation-related protein 63; Tumor protein p73-like; p73L; p51; ZR8; anti-p40 antibody

PRODUCT SPECIFICATIONS

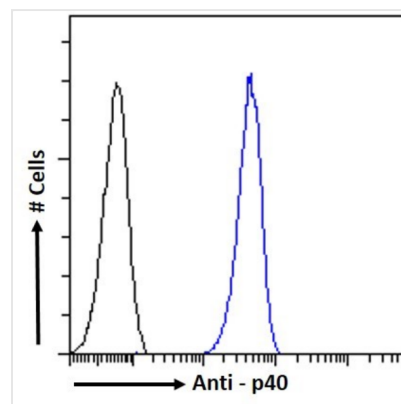
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	14D5E8F12
Specificity	This antibody is specific for the p40 peptide of the human p63. P63 protein acts as a sequence specific DNA binding transcriptional activator or repressor. It is also involved in notch signaling by probably inducing JAG1 and JAG2 and plays a role in the regulation of epithelial morphogenesis. The p63 molecule has a high degree of structural homology with p53 and has three similar functional domains: N-terminal transcription activation region, core DNA binding region, and C-terminal oligomerization region.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-p40 antibody	IHC (Immunohistochemistry), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of A431 cells with anti-p40 antibody 14D5E8F12 . Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 14D5E8F12 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom,, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-p40 antibody 14D5E8F12 . Paraformaldehyde fixed A431 cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of 14D5E8F12 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-p40 antibody	The original antibody was generated by immunizing mice with p40 peptide comprising amino acids 4-19 (LENNAQTQFSEPQYTN) of the p63 protein (Uniprot -Q9H3D4). The p40 peptide had a sulfhydryl group at its N-terminus and a carrier protein KLH to improve its immunogenicity.
Product Categories/Family for anti-p40 antibody	transcription; notch signaling; cancer; tumor; oncology

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	76,785 Da
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; CUSP; transformation-related protein 63; tumor protein p53-competing protein; amplified in squamous cell carcinoma; chronic ulcerative stomatitis protein; keratinocyte transcription factor KET; tumor protein p63 deltaN isoform delta
UniProt Protein Name	Tumor protein 63
UniProt Gene Name	TP63
UniProt Synonym Gene Names	KET; P63; P73H; P73L; TP73L; p63; CUSP; TP63; p73L
UniProt Entry Name	P63_HUMAN

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/human-antibody/p40/72366>