

anti-Human p40 Antibody | anti-p40 antibody

Anti-p40 [14D5E8F12]

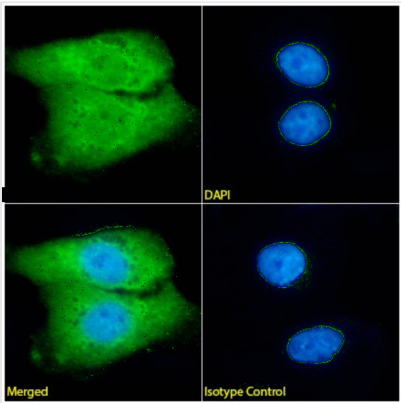
CATALOG # AAA72367	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

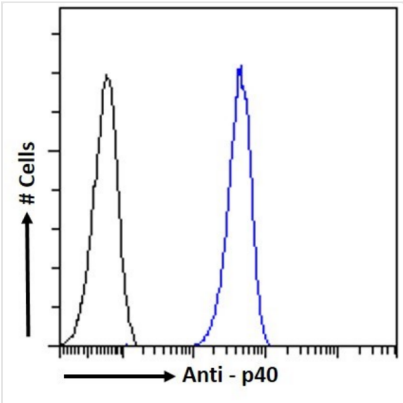
p40; Anti-p40 [14D5E8F12]; TP63; CUSP; Tumor protein 63; chronic ulcerative stomatitis protein; Keratinocyte transcription factor KET; Transformation-related protein 63; Tumor protein p73-like; p73L; p51; ZR8; anti-p40 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Rabbit IgG 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.



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 (AAA72367) (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, AAA72367, 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 (AAA72367, blue line) 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. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
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/p40/72367>