

Rabbit anti-Human, Mouse DOK5 Polyclonal Antibody | anti-DOK5 antibody

DOK5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327573	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

DOK5; Polyclonal Antibody; DOK5 Antibody; chromosome 20 open reading frame 180; Docking protein 5; DOK 5; DOK5 protein; DOK5_HUMAN; Downstream of tyrosine kinase 5; Insulin receptor substrate 6; IRS-6; IRS6; anti-DOK5 antibody

PRODUCT SPECIFICATIONS

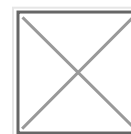
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DOK5 antibody detects endogenous levels of total DOK5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	306
Applicable Applications for anti-DOK5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DOK5
Tissue Specificity	Highest expression in skeletal muscle, lower in brain, heart and kidney. Also detected in activated peripheral blood T-lymphocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (86%), Bovine (82%), Horse (100%), Rabbit (91%), Dog (100%), Chicken (82%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327573 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of DOK5 using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-DOK5 antibody	Function: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK5 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway. Putative link with downstream effectors of RET in neuronal differentiation. Subunit Structure: Interacts with phosphorylated RET. In contrast to other DOK proteins, it does not interact with RASGAP (By similarity). Post-translational Modifications: Phosphorylated on tyrosine residues in response to insulin, IGF1 and GDNF. Similarity: PTB domain mediates receptor interaction. Belongs to the DOK family. Type B subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29544726
NCBI GeneID	55816
NCBI Accession #	NP_060901.2
NCBI GenBank Nucleotide #	NM_018431.4
UniProt Accession #	Q9P104; Q5T7Y0; Q5TE53; Q8TEW7; Q96H13; Q9BZ24; Q9NQF4; Q9Y411
Molecular Weight	Observed: 35 kDa Predicted: 36 kDa
NCBI Official Full Name	docking protein 5 isoform a
NCBI Official Synonym Full Names	docking protein 5
NCBI Official Symbol	DOK5
NCBI Official Synonym Symbols	IRS6; IRS-6; C20orf180
NCBI Protein Information	docking protein 5
UniProt Protein Name	Docking protein 5
UniProt Gene Name	DOK5
UniProt Synonym Gene Names	C20orf180; IRS-6; IRS6

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.