

Rabbit p62 Dok Polyclonal Antibody | anti-DOK1 antibody

p62 Dok Antibody

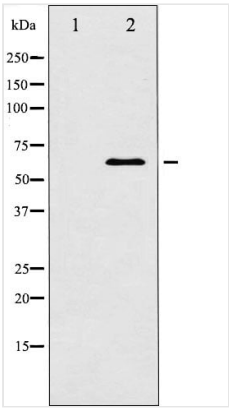
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322452	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

p62 Dok; Polyclonal Antibody; p62 Dok Antibody; Docking protein 1 62kD; Docking protein 1; DOK 1; DOK1; DOK1_HUMAN; Downstream of tyrosine kinase 1; p62(dok); P62DOK; pp62; anti-DOK1 antibody

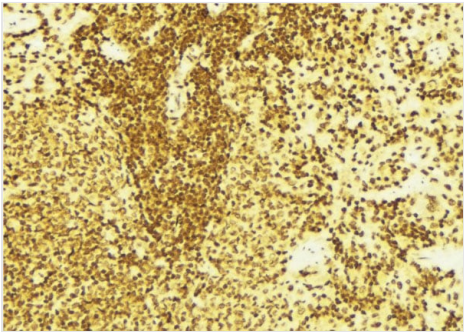
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	p62 Dok antibody detects endogenous levels of total p62 Dok
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	342
Applicable Applications for anti-DOK1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human p62 Dok
Subcellular Location	Cytoplasm and Cytoplasm > Perinuclear Region.
Tissue Specificity	Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells. Expressed in breast cancer.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (91%), Dog (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



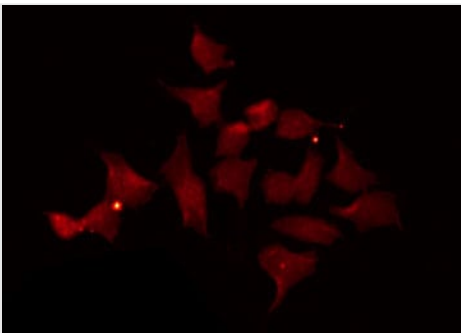
WB (Western Blot)

Western blot analysis of p62 Dok expression in K562 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA322452 at 1/100 staining Mouse spleen 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.



IF (Immunofluorescence)

AAA322452 staining HeLa 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DOK1 antibody

Description: Dok1 a docking protein that interacts with receptor tyrosine kinases. It is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase.

Function: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3.

Subunit Structure: Interacts with ABL1 (By similarity). Interacts with RasGAP and INPP5D/SHIP1. Interacts directly with phosphorylated ITGB3. Interacts with SRMS (via the SH2 and SH3 domains).

Post-translational Modifications: Constitutively tyrosine-phosphorylated. Phosphorylated by TEC (By similarity). Phosphorylated by LYN (By similarity). Phosphorylated on tyrosine residues by the insulin receptor kinase. Results in the negative regulation of the insulin signaling pathway. Phosphorylated on tyrosine residues by SRMS.

Similarity: The PTB domain mediates receptor interaction. Belongs to the DOK family. Type A subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	308737010
NCBI GeneID	1796
NCBI Accession #	NP_001184189.1
NCBI GenBank Nucleotide #	NM_001197260.1
UniProt Accession #	Q99704; O43204; Q53TY2; Q9UHG6

Molecular Weight	Observed: 62 kDa Predicted: 53 kDa
NCBI Official Full Name	docking protein 1 isoform b
NCBI Official Synonym Full Names	docking protein 1
NCBI Official Symbol	DOK1
NCBI Official Synonym Symbols	pp62; P62DOK
NCBI Protein Information	docking protein 1
UniProt Protein Name	Docking protein 1
UniProt Gene Name	DOK1

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://www.aaabiotech.com/polyclonal/p62-dok-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322452>