

Rabbit DOK3 Polyclonal Antibody | anti-DOK3 antibody

DOK3 Antibody

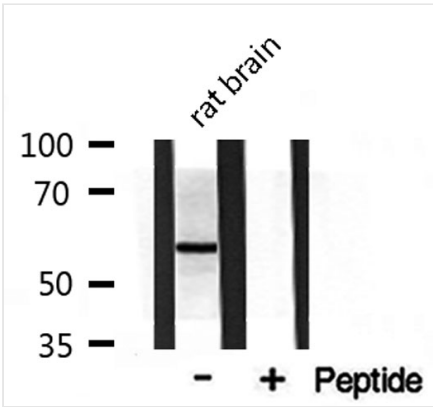
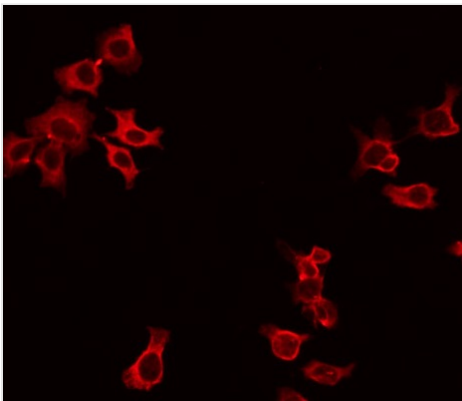
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321132	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

DOK3; Polyclonal Antibody; DOK3 Antibody; Docking protein 3; DOK 3; DOK Like Protein; Dok3; DOK3_HUMAN; DOKL Pending; Downstream of tyrosine kinase 3; p62 DOK Like Protein; anti-DOK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DOK3 antibody detects endogenous levels of DOK3
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	330
Applicable Applications for anti-DOK3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DOK3
Subcellular Location	Cytoplasm. Cell Membrane.
Tissue Specificity	Expressed in spleen.
Predicted Cross Reactivity	Pig, Rabbit, Dog
Similarity	Pig (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

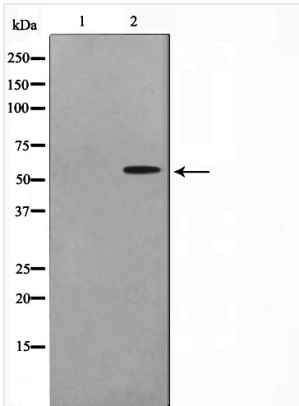


IF (Immunofluorescence)

AAA321132 staining HepG2 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.

WB (Western Blot)

Western blot analysis on rat brain lysate using DOK3 Antibody



WB (Western Blot)

Western blot analysis on HepG2 cell lysate using DOK3 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DOK3 antibody

Description: Docking proteins interact with receptor tyrosine kinases and mediate particular biological responses. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP. May modulate Abl function. On tyrosine phosphorylation, interacts with CSK and INPP5D/SHIP via their SH2 domains. Both Tyr-381 and Tyr-398 are required for interaction with INPP5D. Only Tyr-381 is required for interaction with CSK. Binds ABL through the PTB domain and in a kinase-dependent manner. Does not interact with RasGAP. 4 isoforms of the human protein are produced by alternative splicing.

Function: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP1. May modulate ABL1 function (By similarity).

Subunit Structure: On tyrosine phosphorylation, interacts with CSK and INPP5D/SHIP1 via their SH2 domains. Both Tyr-381 and Tyr-398 are required for interaction with INPP5D. Only Tyr-381 is required for interaction with CSK. Binds ABL1 through the PTB domain and in a kinase-dependent manner. Does not interact with RasGAP (By similarity).

Post-translational Modifications: Constitutively tyrosine-phosphorylated. On IL2 stimulation, phosphorylated on C-terminal tyrosine residues possibly by Src kinases. Can also be phosphorylated by ABL1 kinase (By similarity).

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	221554539
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NCBI GeneID	79930
NCBI Accession #	NP_001138347.1
NCBI GenBank Nucleotide #	NM_001144875.1
UniProt Accession #	Q7L591; Q8N864; Q9BQB3; Q9H666; E9PAT0; H7BXS0
Molecular Weight	Observed: 58 kDa Predicted: 54 kDa
NCBI Official Full Name	docking protein 3 isoform 2
NCBI Official Synonym Full Names	docking protein 3
NCBI Official Symbol	DOK3
NCBI Official Synonym Symbols	DOKL
NCBI Protein Information	docking protein 3
UniProt Protein Name	Docking protein 3
UniProt Gene Name	DOK3

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/polyclonal/dok3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321132>