

Rabbit anti-Human, Mouse p56 Dok-2 Polyclonal Antibody | anti-DOK2 antibody

Phospho-p56 Dok-2 (Tyr299) Antibody

CATALOG # AAA321434	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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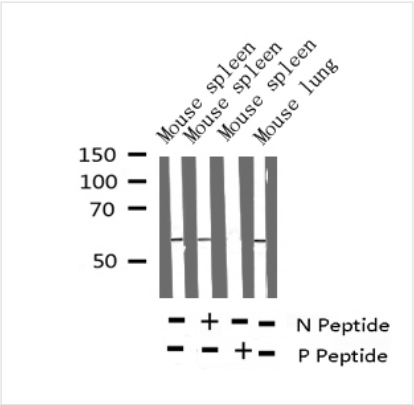
PRODUCT SYNONYMS

p56 Dok-2; Polyclonal Antibody; Phospho-p56 Dok-2 (Tyr299) Antibody; Docking protein 2 56kDa; Docking protein 2; DOK 2; DOK R; DOK2; DOK2_HUMAN; Downstream of tyrosine kinase 2; OTTHUMP00000161710; OTTHUMP00000224923; p56(dok 2); p56(dok-2); p56dok 2; p56DOK; p56dok2; anti-DOK2 antibody

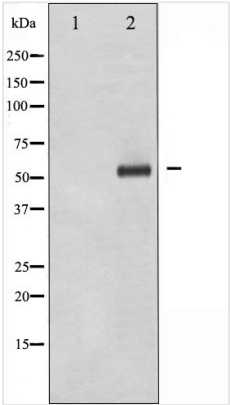
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-p56 Dok-2 (Tyr299) antibody detects endogenous levels of p56 Dok-2 only when phosphorylated at Tyrosine 299
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
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	412
Applicable Applications for anti-DOK2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human p56 Dok-2 around the phosphorylation site of Tyrosine 299
Tissue Specificity	Highly expressed in peripheral blood leukocytes, lymph nodes and spleen. Lower expression in thymus, bone marrow and fetal liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Dog, Xenopus
Similarity	Pig (91%), Bovine (91%), Horse (91%), Dog (91%), Xenopus (89%)
Conjugation	Unconjugated
Epitope	Phospho Tyr299
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of Phospho-p56 Dok-2 (Tyr299) expression in various lysates



WB (Western Blot)
Western blot analysis of p56 Dok-2 phosphorylation expression in K562 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DOK2 antibody	Description: The protein encoded by this gene is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr/abl), a chimeric protein whose presence is associated with CML. Function: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate the cellular proliferation induced by IL-4, as well as IL-2 and IL-3. May be involved in modulating Bcr-Abl signaling. Attenuates EGF-stimulated MAP kinase activation (By similarity). Subunit Structure: Interacts with phosphorylated RASGAP and EGFR. Interacts with RET and NCK. Interacts (via PH domain) with TEK/TIE2 (tyrosine phosphorylated) (By similarity). Post-translational Modifications: On immunoreceptor stimulation, phosphorylated on C-terminal tyrosine residues. Phosphorylation on Tyr-345 is required for binding to the SH2 domain of NCK. Phosphorylation on both Tyr-271 and Tyr-299 is required for interaction with RASGAP. Phosphorylated on tyrosine residues by TEK/TIE2 (By similarity). Similarity: PTB domain mediates receptor interaction. Belongs to the DOK family. Type A subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41406050
NCBI GeneID	9046
NCBI Accession #	NP_003965.2
NCBI GenBank Nucleotide #	NM_003974.3
UniProt Accession #	O60496; Q8N5A4
Molecular Weight	Observed: 56 kDa Predicted: 46 kDa
NCBI Official Full Name	docking protein 2 isoform a
NCBI Official Synonym Full Names	docking protein 2
NCBI Official Symbol	DOK2
NCBI Official Synonym Symbols	p56DOK; p56dok-2
NCBI Protein Information	docking protein 2
UniProt Protein Name	Docking protein 2
UniProt Gene Name	DOK2

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/p56-dok-2-antibody-western-blot-elisa/321434>