

Rabbit DOK1 Polyclonal Antibody | anti-DOK1 antibody

DOK1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286129	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

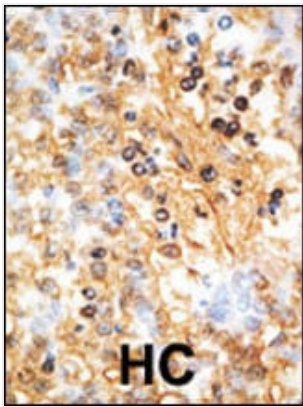
PRODUCT SYNONYMS

DOK1; Polyclonal Antibody; DOK1 Antibody (N-term); Docking protein 1; Downstream of tyrosine kinase 1; p62(dok); pp62; anti-DOK1 antibody

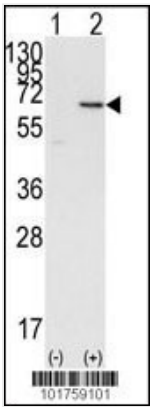
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DOK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-39 amino acids from the N-terminal region of human DOK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	9-39
Sequence Length	342
Applicable Applications for anti-DOK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

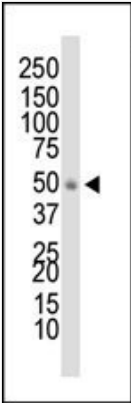
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of DOK1 (arrow) using DOK1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DOK1 gene (Lane 2).



WB (Western Blot)
Western blot analysis of anti-DOK1 Pab in HL-60 cell lysate. DOK1 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-DOK1 antibody	DOK1 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. DOK1 contains a putative pleckstrin homology domain at the amino terminus and ten PXXP SH3 recognition motifs. DOK2 binds p120 (RasGAP) from CML cells. It has been postulated to play a role in mitogenic signaling.
Product Categories/Family for anti-DOK1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Liang, X., et al., J. Biol. Chem. 277(16):13732-13738 (2002). Yamakawa, N., et al., EMBO J. 21(7):1684-1694 (2002). Hubert, P., et al., Eur. J. Immunogenet. 27(3):145-148 (2000). Nemorin, J.G., et al., J. Biol. Chem. 275(19):14590-14597 (2000). Nelms, K., et al., Genomics 53(2):243-245 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	308737010
NCBI GeneID	1796

NCBI Accession #	NP_001184189.1 ; NP_001372.1
NCBI GenBank Nucleotide #	NM_001197260.1
UniProt Accession #	Q99704 ; O43204 ; Q53TY2 ; Q9UHG6
Molecular Weight	52392
NCBI Official Full Name	docking protein 1 isoform 2
NCBI Official Synonym Full Names	docking protein 1, 62kDa (downstream of tyrosine kinase 1)
NCBI Official Symbol	DOK1
NCBI Official Synonym Symbols	P62DOK
NCBI Protein Information	docking protein 1
UniProt Protein Name	Docking protein 1
UniProt Gene Name	DOK1
UniProt Entry Name	DOK1_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/polyclonal/dok1-antibody-immunohistochemistry-western-blot-elisa/286129>