

Rabbit anti-Human DOK2 Polyclonal Antibody | anti-DOK2 antibody

DOK2 Antibody (C-term)

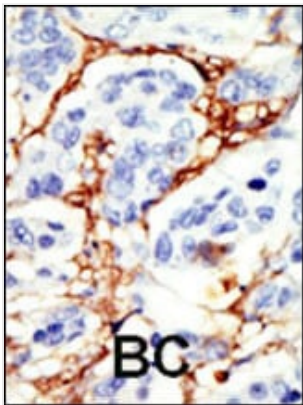
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287100	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

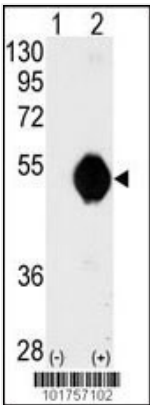
DOK2; Polyclonal Antibody; DOK2 Antibody (C-term); Docking protein 2; Downstream of tyrosine kinase 2; p56(dok-2); anti-DOK2 antibody

PRODUCT SPECIFICATIONS

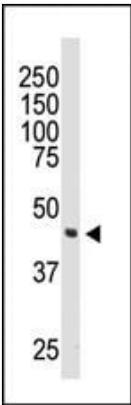
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DOK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 380-412 amino acids from the C-terminal region of human DOK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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: 1.7 (varies by lot)
Sequence Positions	380-412
Sequence Length	412
Applicable Applications for anti-DOK2 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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB 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 DOK2 (arrow) using DOK2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DOK2 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of anti-DOK2 Pab in 174xCEM cell lysate. DOK2 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-DOK2 antibody	Docking proteins interact with receptor tyrosine kinases and mediate particular biological responses using signal transduction. Dok-2 acts as a multiple docking protein downstream of receptor or non-receptor tyrosine kinases. By this mechanism it acts to negatively regulate signal transduction and cell proliferation controlled by cytokines in a feedback loop. Dok-2 is highly expressed in cells and tissues of hematopoietic origin as well as in lung. Expression of bcr/abl induces additional tyrosine phosphorylation of the Dok1 and Dok2 proteins and their association with Ras-GAP. Thus, it is suspected that DOK association regulates GAP activity toward Ras and that the Dok proteins serve as mediators of bcr-abl signaling. The role of Dok proteins in bcr-abl regulation may also be implicated in chronic myelogenous leukemia (CML), which is characterized by a Philadelphia chromosome translocation t(9;22). Such a mutation would result in a p210-bcr/abl chimeric protein-tyrosine kinase which has been found in many CML cases.
Product Categories/Family for anti-DOK2 antibody	Cancer; Signal Transduction
References	Salomon, A.R., et al., Proc. Natl. Acad. Sci. U.S.A. 100(2):443-448 (2003). Di Cristofano, A., et al., J. Biol. Chem. 273(9):4827-4830 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	41406050
NCBI GeneID	9046

NCBI Accession #	NP_003965.2
NCBI GenBank Nucleotide #	NM_003974.2
UniProt Accession #	O60496 ; Q8N5A4
Molecular Weight	45379
NCBI Official Full Name	docking protein 2
NCBI Official Synonym Full Names	docking protein 2, 56kDa
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
UniProt Entry Name	DOK2_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/dok2-antibody-immunohistochemistry-western-blot-elisa/287100>