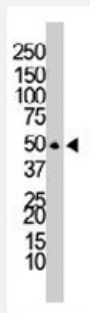


DOK1 polyclonal antibody

Catalog # PAB3405

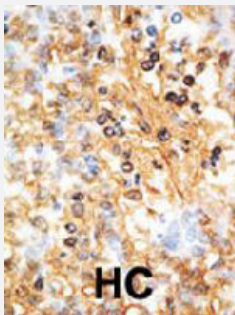
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of DOK1 polyclonal antibody (Cat # PAB3405) in HL-60 cell lysate. DOK1 (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with DOK1 polyclonal antibody (Cat # PAB3405), 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. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DOK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human DOK1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — DOK1

Entrez GeneID	1796
Protein Accession#	Q99704
Gene Name	DOK1
Gene Alias	MGC117395, MGC138860, P62DOK
Gene Description	docking protein 1, 62kDa (downstream of tyrosine kinase 1)
Omim ID	602919
Gene Ontology	Hyperlink
Gene Summary	Docking protein 1 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. Docking protein 1 contains a putative pleckstrin homology domain at the amino terminus and ten PXXP SH3 recognition motifs. Docking protein 2 binds p120 (RasGAP) from CML cells. It has been postulated to play a role in mitogenic signaling. [provided by RefSeq]

Other Designations

Downstream of tyrosine kinase 1|docking protein 1|docking protein 1 (downstream of tyrosine kinase 1)|docking protein 1, 62kD (downstream of tyrosine kinase 1)

Publication Reference

- [The rasGAP-binding protein, Dok-1, mediates activin signaling via serine/threonine kinase receptors.](#)

Yamakawa N, Tsuchida K, Sugino H.

The EMBO Journal 2002 Apr; 21(7):1684.

Application: IP, WB-Tr, Human, Mouse, Monkey, COS-7, HEK 293, HS72 cells

- [Phosphatidylinositol 3-kinase and Src family kinases are required for phosphorylation and membrane recruitment of Dok-1 in c-Kit signaling.](#)

Liang X, Wisniewski D, Strife A, Shivakrupa, Clarkson B, Resh MD.

The Journal of Biological Chemistry 2002 Apr; 277(16):13732.

Application: IP, WB-Tr, Monkey, Mouse, COS-1, Mo7, Bone marrow mast cells

- [Molecular cloning of a truncated p62Dok1 isoform, p22Dok\(del\).](#)

Hubert P, Ferreira V, Debre P, Bismuth G.

European Journal of Immunogenetics 2000 Jun; 27(3):145.

Application: WB-Tr, Human, Jurkat cells

Disease

- [Genetic Predisposition to Disease](#)
- [Leukemia](#)