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DOK1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7690a

Specification

DOK1 Antibody (N-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q99704
Other Accession	Q4QQV2, P97465, Q5EA84
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52392**
Antigen Region	**9-39**

DOK1 Antibody (N-term) - Additional Information

Gene ID 1796

Other Names
Docking protein 1, Downstream of tyrosine kinase 1, p62(dok), pp62, DOK1

Target/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.

Dilution
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DOK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DOK1 Antibody (N-term) - Protein Information

Name DOK1

Function DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3.

Cellular Location
[Isoform 1]: Cytoplasm. Nucleus.

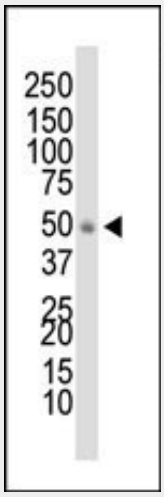
Tissue Location
Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells Expressed in breast cancer.

DOK1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DOK1 Antibody (N-term) - Images



Western blot analysis of anti-DOK1 Pab (Cat. #AP7690a) in HL-60 cell lysate. DOK1 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

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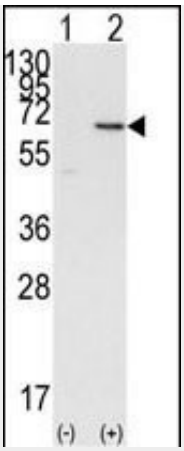
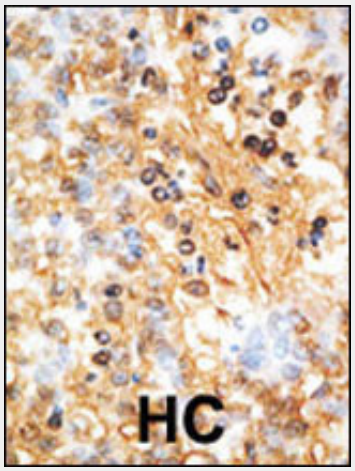


Western blot analysis of DOK1 (arrow) using DOK1 Antibody (N-term) (Cat.#AP7690a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DOK1 gene (Lane 2).



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.

DOK1 Antibody (N-term) - Background

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.

DOK1 Antibody (N-term) - References

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Yamakawa, N., et al., EMBO J. 21(7):1684-1694 (2002).
Hubert, P., et al., Eur. J. Immunogenet. 27(3):145-148 (2000).
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