Datasheet for ABIN392072

anti-DOK2 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	DOK2
Binding Specificity:	AA 380-412, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DOK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB1757
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DOK2
Alternative Name:	DOK2 (DOK2 Products)

Target Details

Background:	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.
Molecular Weight:	45379
Gene ID:	9046
NCBI Accession:	NP_003965
UniProt:	O60496

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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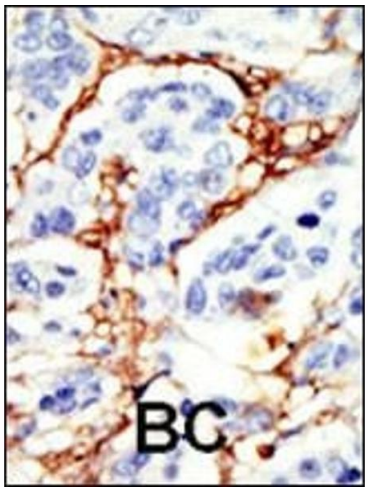
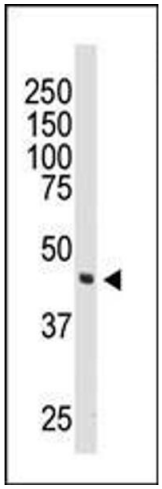


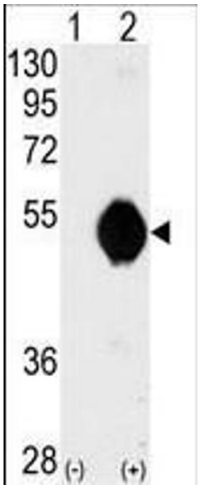
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. Western blot analysis of anti-DOK2 Pab (ABIN392072 and ABIN2841834) in 174xCEM cell lysate. DOK2 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Western Blotting

Image 3. Western blot analysis of DOK2 (arrow) using DOK2 Antibody (C-term) (ABIN392072 and ABIN2841834). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the DOK2 gene (Lane 2) (Origene Technologies).

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