Datasheet for ABIN359960

anti-DOK2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	DOK2
Binding Specificity:	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)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DOK2.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to DOK2.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	DOK2
Alternative Name:	DOK2 / p56 Dok2 (DOK2 Products)

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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.Synonyms: Docking protein 2, Downstream of tyrosine kinase 2, p56(dok-2), p56Dok-2
Gene ID:	9046, 9606
UniProt:	O60496

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

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Handling

Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images

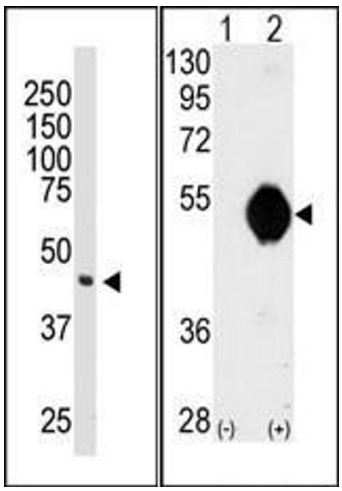

Image 1.

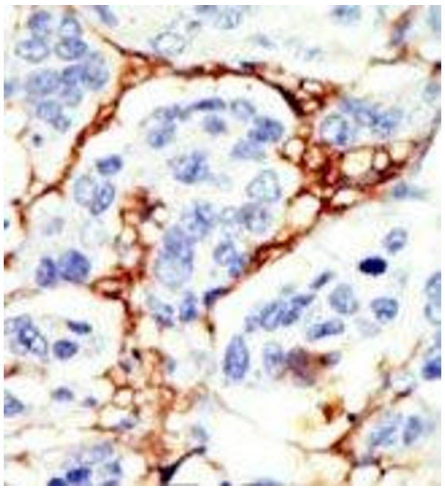

Image 2.

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