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Product datasheet for AP02769PU-S

DOK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot: 1/500 - 1/1000.** **Immunofluorescence:** 1/100 - 1/200. **Immunohistochemistry on Paraffin-Embedded Sections:** 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from Human p56Dok-2 (aa 297~301) around the phosphorylation site of Tyrosine 299 (G-E-Y*p*-A-V).
Specificity:	This antibody detects endogenous levels of total p56Dok-2 protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	docking protein 2
Database Link:	Entrez Gene 9046 Human O60496

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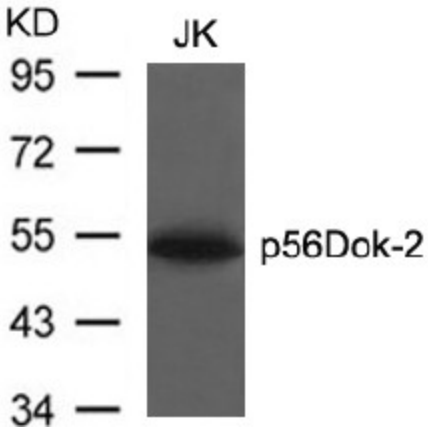
Background: Docking proteins interact with receptor tyrosine kinases and mediate particular biological responses using signal transduction. DOK2 acts as a multiple docking protein downstream of receptor or non-receptor tyrosine kinases. By this mechanism it acts to negatively regulate signal transduction and cell proliferation controlled by cytokines in a feedback loop. DOK2 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.

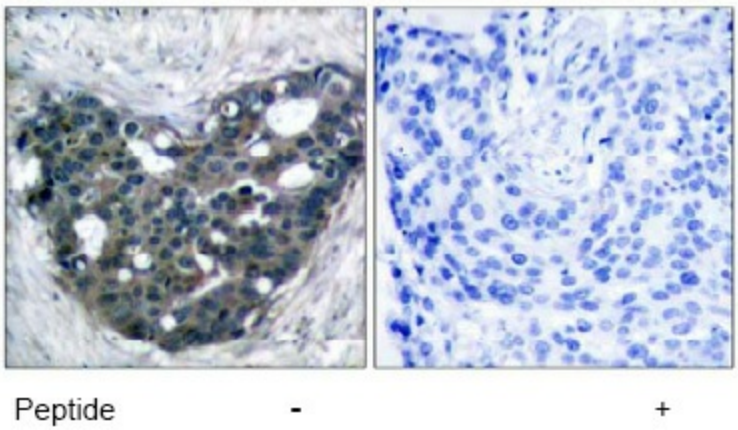
Synonyms: p56(dok-2), p56Dok-2, Docking protein 2

Note: **Molecular Weight:** 56 kDa

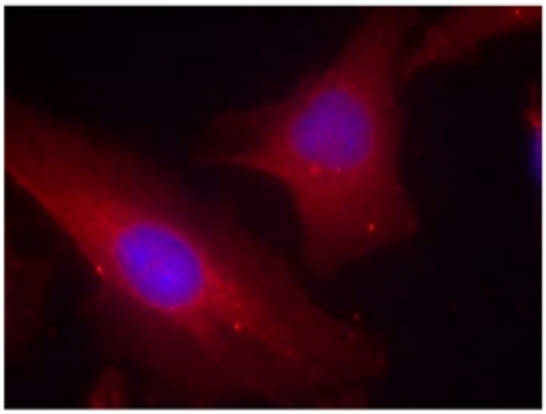
Product images:



Western Blot analysis of extracts from JK cells using p65Dok-2 antibody



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p56Dok-2 antibody.



Immunofluorescence staining of methanol-fixed HeLa cells using p56Dok-2 antibody (Red).