Product Name: Dok-1 Rabbit Polyclonal Antibody
Catalog #: APRab10105

Summary

Production Name	Dok-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DOK1
Alternative Names	DOK1; Docking protein 1; Downstream of tyrosine kinase 1; p62(dok); pp62
Gene ID	1796.0
SwissProt ID	Q99704.The antiserum was produced against synthesized peptide derived from human p62 Dok. AA range:329-378

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. . ELISA: 1:5000. Not yet tested in other applications.
Molecular Weight	52kD

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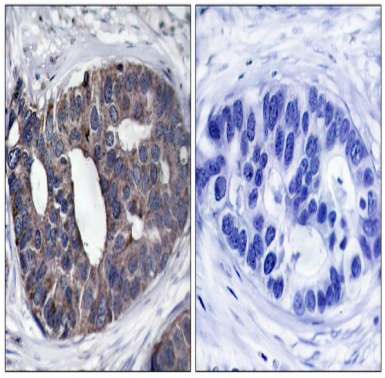
Background

docking protein 1(DOK1) Homo sapiens The protein encoded by this gene is part of a signal transduction pathway downstream of receptor tyrosine kinases. The encoded protein is a scaffold protein that helps form a platform for the assembly of multiprotein signaling complexes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016],domain:The PTB domain mediates receptor interaction.,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.,PTM:Constitutively tyrosine-phosphorylated.,PTM:Phosphorylated on tyrosine residues by the insulin receptor kinase. Results in the negative regulation of the insulin signaling pathway.,similarity:Belongs to the DOK family. Type A subfamily.,similarity:Contains 1 IRS-type PTB domain.,similarity:Contains 1 PH domain.,subunit:Interacts with ABL (By similarity). Interacts with RasGAP and INPP5D/SHIP1. Interacts directly with phosphorylated ITGB3.,tissue specificity:Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells.,

Research Area

B_Cell_Antigen

Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using p62 Dok Antibody. The picture on the right is blocked with the synthesized peptide.

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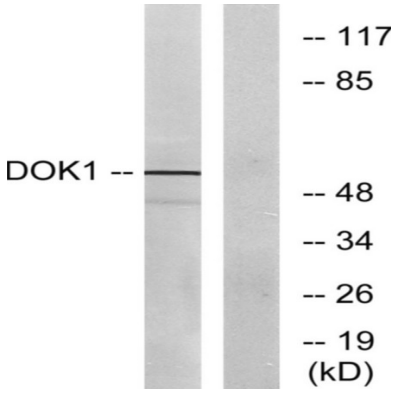
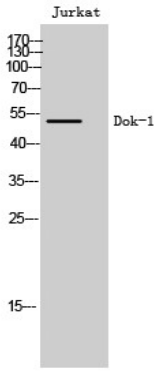


Western blot analysis of lysates from Jurkat cells, using p62 Dok Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of Jurkat cells using Dok-1 Polyclonal Antibody

Note

For research use only.