Best Tools for immunology Research

Dok-1 (phospho Tyr362) Polyclonal Antibody

Catalog No :	YP0084
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;ELISA
Target :	p62 Dok
Gene Name :	DOK1
Protein Name :	Docking protein 1
Human Gene Id :	1796
Human Swiss Prot No :	Q99704
Mouse Gene Id :	13448
Mouse Swiss Prot No :	P97465
Rat Gene Id :	312477
Rat Swiss Prot No :	Q4QQV2
Immunogen :	The antiserum was produced against synthesized peptide derived from human p62 Dok around the phosphorylation site of Tyr362. AA range:329-378
Specificity :	Phospho-Dok-1 (Y362) Polyclonal Antibody detects endogenous levels of Dok-1 protein only when phosphorylated at Y362.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 55kD

Cell Pathway : B_Cell_Antigen

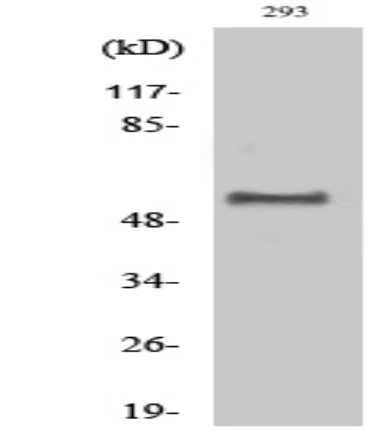
Background : docking protein 1(DOK1) Homo sapiens The protein encoded by this gene is part of a signal transduction pathway downstream of receptor tyrosine kinases. The encoded protein is a scaffold protein that helps form a platform for the assembly of multiprotein signaling complexes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016],

Function : 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

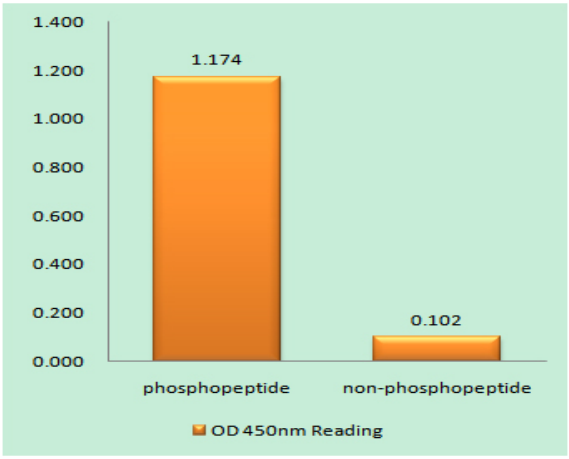
Subcellular Location : [Isoform 1]: Cytoplasm. Nucleus.; [Isoform 3]: Cytoplasm, perinuclear region.

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

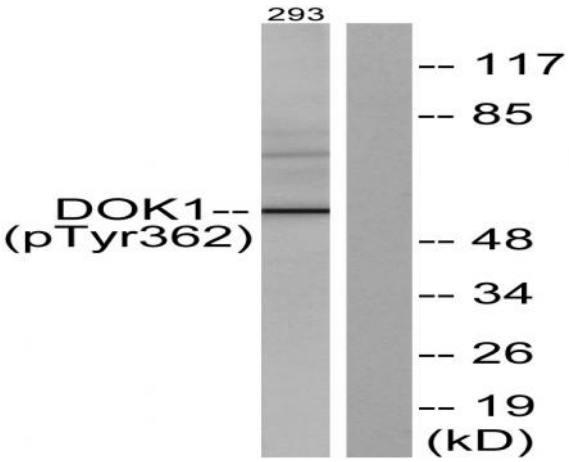
Products Images



Western Blot analysis of various cells using Phospho-Dok-1 (Y362) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using p62 Dok (Phospho-Tyr362) Antibody



Western blot analysis of lysates from 293 cells, using p62 Dok (Phospho-Tyr362) Antibody. The lane on the right is blocked with the phospho peptide.