

**Dok-1 (phospho Tyr362) Polyclonal Antibody**

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

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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

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**Observed Band :** 55kD

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**Cell Pathway :** B\_Cell\_Antigen

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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],

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**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

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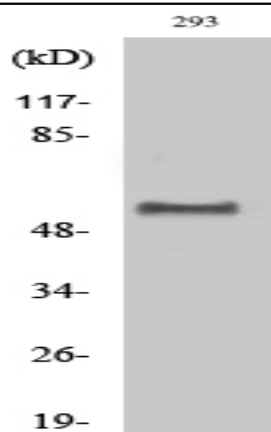
**Subcellular Location :** [Isoform 1]: Cytoplasm. Nucleus.; [Isoform 3]: Cytoplasm, perinuclear region.

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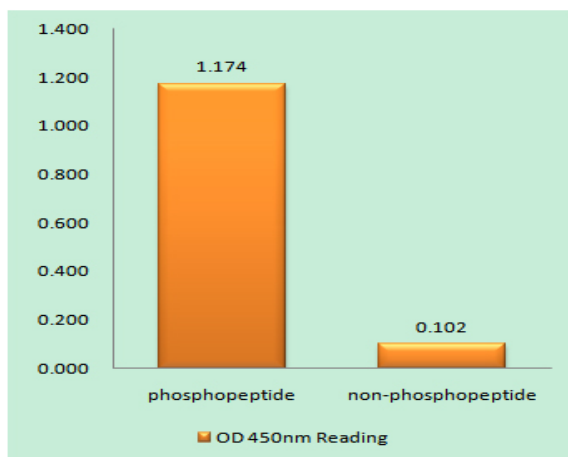
**Expression :** Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells. Expressed in breast cancer.

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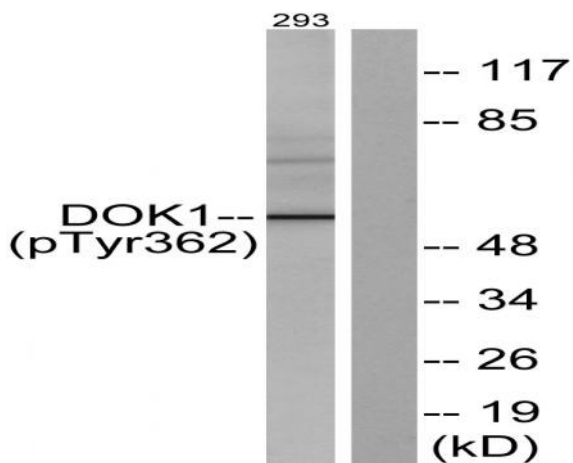
## Products Images



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.