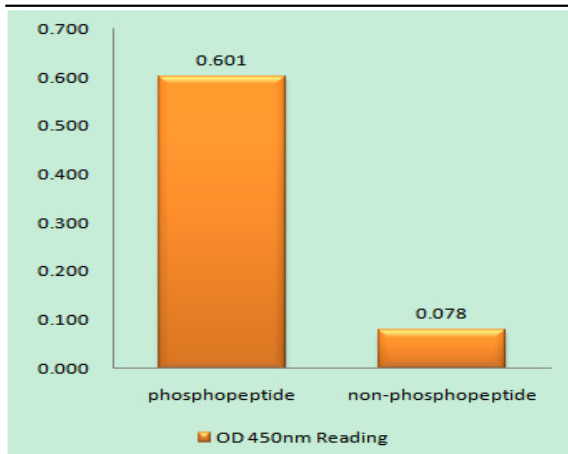


**Dok-1 (phospho Tyr398) Polyclonal Antibody**

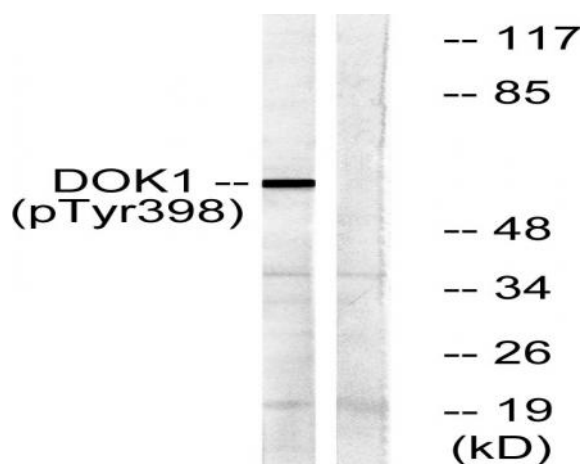
|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YP0523  |
| <b>Reactivity :</b>          | Human;Mouse;Rat   |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | p62 Dok   |
| <b>Gene Name :</b>           | DOK1  |
| <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 Tyr398. AA range:365-414 |
| <b>Specificity :</b>         | Phospho-Dok-1 (Y398) Polyclonal Antibody detects endogenous levels of Dok-1 protein only when phosphorylated at Y398.                         |
| <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. ELISA: 1:20000. Not yet tested in other applications.  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                         |

|                               |   |
|-------------------------------|---|
| <b>Concentration :</b>        | <u>1 mg/ml</u>  |
| <b>Storage Stability :</b>    | <u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>   |
| <b>Observed Band :</b>        | <u>62kD</u>   |
| <b>Cell Pathway :</b>         | <u>B_Cell_Antigen</u>   |
| <b>Background :</b>           | <u>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],</u>  |
| <b>Function :</b>             | <u>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</u> |
| <b>Subcellular Location :</b> | <u>[Isoform 1]: Cytoplasm. Nucleus.; [Isoform 3]: Cytoplasm, perinuclear region.</u>  |
| <b>Expression :</b>           | <u>Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells. Expressed in breast cancer.</u>  |

## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using p62 Dok (Phospho-Tyr398) Antibody



Western blot analysis of lysates from K562 cells treated with Starvation 24h, using p62 Dok (Phospho-Tyr398) Antibody. The lane on the right is blocked with the phospho peptide.