

Dok-1 (Phospho Tyr398) Rabbit pAb

CatalogNo: YP0523 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 62kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human p62 Dok around the phosphorylation site of Tyr398. AA range:365-414

Specificity Phospho-Dok-1 (Y398) Polyclonal Antibody detects endogenous levels of Dok-1 protein only when phosphorylated at Y398. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):EGyEL

Target Information

Gene name DOK1

Protein Name Docking protein 1

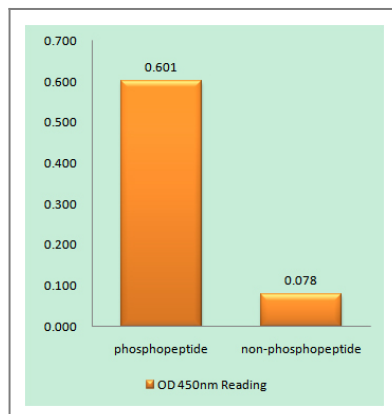
Organism	Gene ID	UniProt ID
Human	1796 ;	Q99704 ;
Mouse	13448 ;	P97465 ;
Rat	312477 ;	Q4QQV2 ;

Cellular Localization [Isoform 1]: Cytoplasm. Nucleus.; [Isoform 3]: Cytoplasm , perinuclear region.

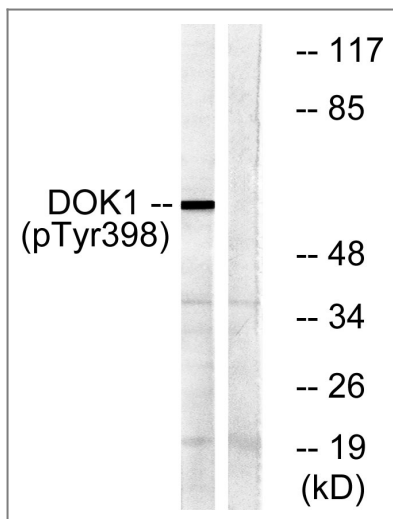
Tissue specificity Expressed in pancreas , heart , leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells. Expressed in breast cancer.

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. Expressed in both resting and activated peripheral blood T-cells. ,

Validation Data



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.

Contact information

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Dok-1 (Phospho Tyr398) Rabbit pAb

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