# Dok-1 (Phospho Tyr362) Rabbit pAb

CatalogNo: YP0084

## Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IF,ELISA

MW
- 55kD (Observed)

Isotype
- IgG

## Recommended Dilution Ratios

**WB 1:500-1:2000**
**IF 1:200-1:1000**
**ELISA 1:10000**
**Not yet tested in other applications.**

## 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. |

## Basic Information

| | |
|---|---|
| **Clonality** | Polyclonal |

## Immunogen Information

| | |
|---|---|
| **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.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):PIyDE

## Target Information

**Gene name** DOK1

**Protein Name** Docking protein 1

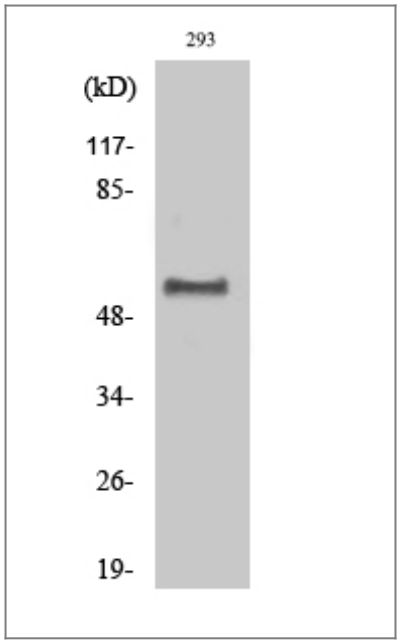
| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 1796; | Q99704; |
| Mouse | 13448; | P97465; |
| Rat | 312477; | Q4QQV2; |

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

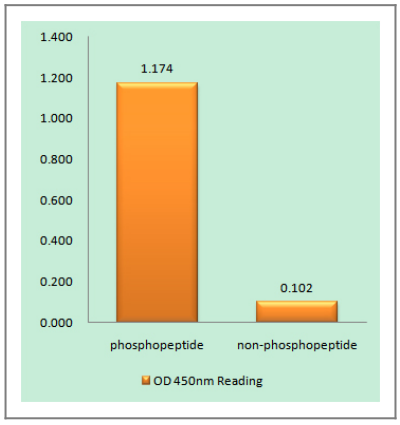
**Tissue specificity** Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells. Expressed in breast cancer.

**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.,

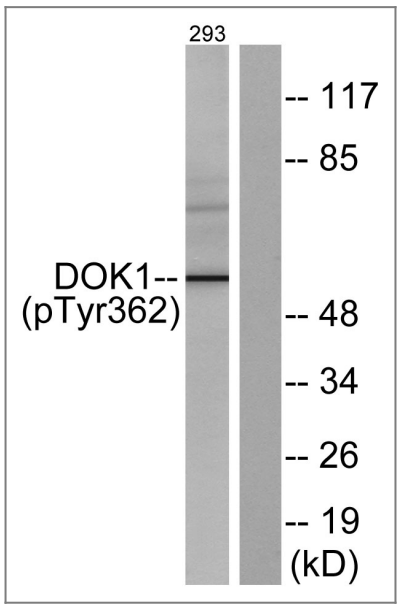
## Validation Data




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.

## Contact information

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Please scan the QR code to access additional product information:
**Dok-1 (Phospho Tyr362) Rabbit pAb**