



# Rabbit Anti-Human DOK1 polyclonal antibody (DCABH-4567)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody may react with (Predicted by homology) : Bovine, Dog, Mouse, Rabbit, Rat
<b>Target</b>	DOK1
<b>Immunogen</b>	Synthetic peptide corresponding to N-terminus of human DOK-1 protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunoaffinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P
<b>Molecular Weight</b>	52 kDa
<b>Cellular Localization</b>	Membrane
<b>Positive Control</b>	Breast Carcinoma
<b>Format</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, pH 7.6
<b>Preservative</b>	< 0.1% Sodium Azide
<b>Storage</b>	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

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## BACKGROUND

### Introduction

DOK-1 (P62dok, Docking protein 1) is believed to be a mainly cytoplasmic adaptor protein which down-regulates mitogen-activated protein kinase activation, inhibits cell proliferation and transformation, and promotes cell spreading and cell migration. DOK-1 is a major substrate for many tyrosine kinases including c-kit, v-abl, vFPS, EGF, and PDGF. Upon phosphorylation by kinases, DOK-1 forms a complex with ras GTPase-activating protein. Phosphorylation on tyrosine residues by the insulin receptor kinase results in the negative regulation of the insulin signaling pathway. DOK-1 contains a putative pleckstrin homology domain at the amino terminus and ten PXXP SH3 recognition motifs.

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### Keywords

DOK1;docking protein 1, 62kDa (downstream of tyrosine kinase 1) ;P62DOK;docking protein 1;pp62;p62 (dok) ;Downstream of tyrosine kinase 1;docking protein 1 (downstream of tyrosine kinase 1)

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## GENE INFORMATION

### Entrez Gene ID

[1796](#)

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### UniProt ID

[Q99704](#)

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