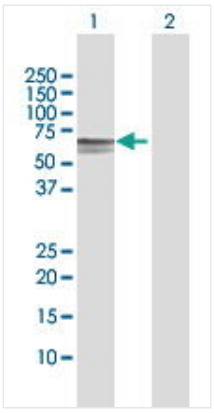
DOK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DOK1, Polyclonal Antibody
Full Product Name	DOK1 (Docking Protein 1, Downstream Of Tyrosine Kinase 1, p62(dok), pp62) APC
Product Gene Name	anti-DOK1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human DOK1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	37,405 Da
OMIM	602919
3D Structure	ModBase 3D Structure for Q99704
Immunogen	Full length human DOK1, aa1-481 (NP_001372.1).
Immunogen Sequence	MDGAVMEGPLFLQSQRFGTKRWRKTWAVLYPASPHGVARLEFFDHKGSSSGGGRGSSRRLDCKVIRLAECVSVAPVTVETPPEPGATAFRLDTAQRSH
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-DOK1 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-DOK1 antibody	Western Blot (WB)
Application Notes for anti-DOK1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DOK1 antibody	DOK1 is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic
Other Notes	Small volumes of anti-DOK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

Searchable Terms for DOK1 purchase	MBS6376525 is an antibody targeting DOK1. Also known as DOK1 (Docking Protein 1, Downstream Of Tyrosine Kinase 1, p62(dok), pp62) APC. Reac



Western Blot (WB) of anti-DOK1 antibody
Western Blot analysis of DOK1 expression in transfected 293T cell line by DOK1 polyclonal antibody. Lane 1: DOK1 transfected lysate (52.4kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DOK1. It may not necessarily be applicable to this product.

NCBI GI #	4503357
NCBI GeneID	1796
NCBI Accession #	NP_001372.1
UniProt Primary Accession #	Q99704
UniProt Secondary Accession #	O43204; Q53TY2; Q9UHG6
UniProt Related Accession #	Q99704
GenBank Nucleotide #	NM_001381
NCBI Official Full Name	docking protein 1 isoform 1
NCBI Official Synonym Full Names	docking protein 1, 62kDa (downstream of tyrosine kinase 1)
NCBI Official Symbol	DOK1
NCBI Official Synonym Symbols	P62DOK
UniProt Protein Name	Docking protein 1
UniProt Synonym Protein Names	Downstream of tyrosine kinase 1; p62(dok); pp62
Protein Family	Docking protein
UniProt Gene Name	DOK1
UniProt Entry Name	DOK1_HUMAN
NCBI Protein Information	docking protein 1; pp62; p62(dok); Downstream of tyrosine kinase 1; docking protein 1 (downstream of tyrosine kinase 1)
NCBI Summary for DOK1	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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]

UniProt Comments for DOK1	DOK1: a docking protein that interacts with receptor tyrosine kinases. It is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr/abl), a chimeric protein whose presence is associated with CML. Docking protein 1 contains a putative pleckstrin homology domain at the amino terminus and ten PXXP SH3 recognition motifs. Docking protein 2 binds p120 (RasGAP) from CML cells. It has been postulated to play a role in mitogenic signaling. Protein type: Adaptor/scaffold; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 2p13 Cellular Component: perinuclear region of cytoplasm; cytoplasm; nucleus; cytosol Molecular Function: protein binding; receptor signaling protein activity; insulin receptor binding Biological Process: cell surface receptor linked signal transduction; Ras protein signal transduction; insulin receptor signaling pathway; signal transduction; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on DOK1	**1.** Taken together, these results reveal that Dok1 and Dok2 proteins are involved in an intrinsic negative feedback loop downstream of natural killer-cell-activating receptors in mouse and human.
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