DOK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DOK2, Polyclonal Antibody
Full Product Name	DOK2 Polyclonal Antibody
Product Gene Name	anti-DOK2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	45kDa
OMIM	604997
3D Structure	ModBase 3D Structure for O60496
Immunogen	Recombinant protein of human DOK2 (NP_003965.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DOK2 antibody	Western Blot (WB)
Application Notes for anti-DOK2 antibody	WB: 1:500-1:2000
Related Product Information for anti-DOK2 antibody	The protein encoded by this gene 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. This encoded protein binds p120 (RasGAP) from CML cells.
Other Notes	Small volumes of anti-DOK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DOK2 purchase	MBS8568782 is an antibody targeting DOK2. Also known as DOK2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DOK2. It may not necessarily be applicable to this product.

NCBI GI #	41406050
NCBI GeneID	9046
NCBI Accession #	NP_003965.2
UniProt Primary Accession #	O60496

UniProt Related Accession #	O60496
GenBank Nucleotide #	NP_003965.2
NCBI Official Full Name	docking protein 2 isoform a
NCBI Official Synonym Full Names	docking protein 2
NCBI Official Symbol	DOK2
NCBI Official Synonym Symbols	p56DOK; p56dok-2
UniProt Protein Name	Docking protein 2
UniProt Synonym Protein Names	Downstream of tyrosine kinase 2; p56(dok-2)
Protein Family	Docking protein
UniProt Gene Name	DOK2
UniProt Entry Name	DOK2_HUMAN
NCBI Protein Information	docking protein 2
UniProt Comments for DOK2	DOK2: a member of the p62dok family of proteins that interact with receptor tyrosine kinases and mediate particular biological responses. 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. Contains a pleckstrin homology domain at the amino terminus, 13 potential tyrosine phosphorylation sites, and six PXXP SH3 recognition motifs. Binds p120 (RasGAP) from CML cells. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 8p21.3 Cellular Component: cytosol Molecular Function: receptor signaling protein activity; transmembrane receptor protein tyrosine kinase adaptor protein activity; insulin receptor binding Biological Process: cell surface receptor linked signal transduction; Ras protein signal transduction; blood coagulation; signal transduction; leukocyte migration; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on DOK2	**1.** DOK2 overexpression in different brain regions is associated with poor prognosis in astrocytoma clinical cases.
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