DOK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DOK2, Polyclonal Antibody
Full Product Name	DOK2, CT (Docking Protein 2, Downstream Of Tyrosine Kinase 2, p56(dok-2)) (MaxLight 405)
Product Gene Name	anti-DOK2 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 MaxLight405.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human DOK2.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	45,379 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (21766384..21771205, complement). Location: 8p21.3
OMIM	604997
3D Structure	ModBase 3D Structure for O60496
Immunogen	Synthetic peptide selected from the C-terminal region of human DOK2 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-DOK2 antibody	Antibodies; Signal Transduction
Applications Tested/Suitable for anti-DOK2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-DOK2 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-DOK2 antibody	MBS6472828 is an antibody targeting DOK2. Also known as DOK2, CT (Docking Protein 2, Downstream Of Tyrosine Kinase 2, p56(dok-2)) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-DOK2 antibody	1. Salomon, A.R., et al., Proc. Natl. Acad. Sci. USA 100(2):443-448 (2003). 2. Di Cristofano, A., et al., J. Biol. Chem. 273(9):4827-4830 (1998).
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.

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 Secondary Accession #	Q8N5A4
UniProt Related Accession #	O60496
GenBank Nucleotide #	NM_003974.2
NCBI Official Full Name	docking protein 2
NCBI Official Synonym Full Names	docking protein 2, 56kDa
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; p56(dok-2); downstream of tyrosine kinase 2
NCBI Summary for DOK2	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. [provided by RefSeq, Jul 2008]
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 is a marker of poor prognosis in patients with gastric cancer after curative resection

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/dok2/6472828