# DOK2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | DOK2, Polyclonal Antibody |
| **Full Product Name** | DOK2 Antibody |
| **Product Gene Name** | anti-DOK2 antibody |
| **Product Synonym Names** | p56DOK; p56dok-2 |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol. |
| **Purity/Purification** | Antigen affinity purification |
| **Specificity** | The antibody detects endogenous levels of total DOK2 protein. |
| **Preparation and Storage** | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |
| **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 of human DOK2 |
| **Product Categories/Family for anti-DOK2 antibody** | Primary Antibody |
| **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: 1:200-1000 |
| **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** | MBS8594305 is an antibody targeting DOK2. Also known as DOK2 Antibody. Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

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

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| **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.<br><br>Protein type: Adaptor/scaffold<br><br>Chromosomal Location of Human Ortholog: 8p21.3<br><br>Cellular Component: cytosol<br><br>Molecular Function: receptor signaling protein activity; transmembrane receptor protein tyrosine kinase adaptor protein activity; insulin receptor binding<br><br>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 |
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