Docking Protein 3 (DOK3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Docking Protein 3 (DOK3), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Docking Protein 3 (DOK3)
Product Gene Name	anti-DOK3 antibody
Product Synonym Names	DOKL; Downstream of tyrosine kinase 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: DOK3 (MBS2026006) PE Conjugated Antibody: DOK3 (MBS2076419)
Matching Pairs	PE Conjugated Antibody: DOK3 (MBS2076419) Immunogen: DOK3 (MBS2029001)
Molecular Weight	48,027 Da
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	DOK3 (Ser45~Pro310)
Conjugation	PE
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2026006
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-DOK3 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-DOK3 antibody	MBS2076419 is an antibody targeting DOK3. Also known as PE-Linked Polyclonal Antibody to Docking Protein 3 (DOK3). Reactive in Rat. Host: Rabbit.
Other Notes	Small volumes of anti-DOK3 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 DOK3. It may not necessarily be applicable to this product.

NCBI GI #	7305003
NCBI GeneID	27261
NCBI Accession #	NP_038767.1
UniProt Related Accession #	Q9QZK7
GenBank Nucleotide #	NM_013739.2

NCBI Official Full Name	docking protein 3
NCBI Official Synonym Full Names	docking protein 3
NCBI Official Symbol	Dok3
NCBI Official Synonym Symbols	Dokl; AI450713
UniProt Protein Name	Docking protein 3
UniProt Synonym Protein Names	Downstream of tyrosine kinase 3; p62(dok)-like protein; DOK-L
Protein Family	Docking protein
UniProt Gene Name	Dok3
UniProt Synonym Gene Names	Dokl; DOK-L
NCBI Protein Information	docking protein 3
UniProt Comments for DOK3	DOK3: docking proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with SHIP. May modulate Abl function. Upon tyrosine phosphorylation, Dok3 interacts with CSK and SHIP via their SH2 domains. Both pY381 and pY398 are required for interaction with SHIP. Only pY381 is required for interaction with CSK. Binds ABL through the PTB domain and in a kinase-dependent manner. On IL2 stimulation, phosphorylated on C-terminal tyrosine residues possibly by Src kinases. Does not interact with RasGAP. Four isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 13|13 B1 Cellular Component: cytoplasm Molecular Function: protein binding Biological Process: Ras protein signal transduction
Research Articles on DOK3	**1.** we demonstrate that CpG treatment leads to ubiquitin-mediated degradation of DOK3 via interaction with an E3 ligase TNFR-associated factor 6 (TRAF6).
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