DOK5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DOK5, Polyclonal Antibody
Full Product Name	DOK5 Antibody
Product Gene Name	anti-DOK5 antibody
Product Synonym Names	Docking protein 5; Downstream of tyrosine kinase 5; Insulin receptor substrate 6; IRS-6; IRS6; DOK5; C20orf180
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	DOK5 Antibody detects endogenous levels of DOK5.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	35 kDa
OMIM	AF132732 mRNA
3D Structure	ModBase 3D Structure for Q9P104
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human DOK5.
Immunogen Range	101-150
Applications Tested/Suitable for anti-DOK5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-DOK5 antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-DOK5 antibody	MBS9505508 is an antibody targeting DOK5. Also known as DOK5 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-DOK5 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 DOK5. It may not necessarily be applicable to this product.

NCBI GI #	29544726
NCBI GeneID	55816
NCBI Accession #	NP_060901.2

UniProt Primary Accession #	Q9P104
UniProt Secondary Accession #	Q5T7Y0; Q5TE53; Q8TEW7; Q96H13; Q9BZ24; Q9NQF4; Q9Y411
UniProt Related Accession #	Q9P104
GenBank Nucleotide #	NM_018431.4
NCBI Official Full Name	docking protein 5 isoform a
NCBI Official Synonym Full Names	docking protein 5
NCBI Official Symbol	DOK5
NCBI Official Synonym Symbols	IRS6; IRS-6; C20orf180
UniProt Protein Name	Docking protein 5
UniProt Synonym Protein Names	Downstream of tyrosine kinase 5; Insulin receptor substrate 6; IRS-6; IRS6
Protein Family	Docking protein
UniProt Gene Name	DOK5
UniProt Synonym Gene Names	C20orf180; IRS-6; IRS6
NCBI Protein Information	docking protein 5
NCBI Summary for DOK5	The protein encoded by this gene is a member of the DOK family of membrane proteins, which are adapter proteins involved in signal transduction. The encoded protein interacts with phosphorylated receptor tyrosine kinases to mediate neurite outgrowth and activation of the MAP kinase pathway. Unlike other DOK family proteins, this protein does not interact with RASGAP. This protein is up-regulated in patients with systemic sclerosis and is associated with fibrosis induced by insulin-like growth factor binding protein 5. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jun 2014]
UniProt Comments for DOK5	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK5 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway. Putative link with downstream effectors of RET in neuronal differentiation.
Research Articles on DOK5	**1.** IGFBP-5 induces its pro-fibrotic effects, at least in part, via DOK5. IGFBP-5 and DOK5 are both increased in systemic sclerosis fibroblasts and tissues and may thus be acting in concert to promote fibrosis.
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