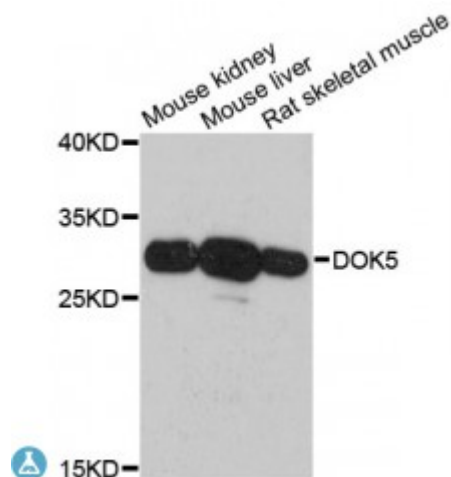


Anti-DOK5 Antibody



Description

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.

Model	STJ115679
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 237-306 of human DOK5 (NP_060901.2).
Gene ID	55816
Gene Symbol	DOK5
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highest expression in skeletal muscle, lower in brain, heart and kidney, Also detected in activated peripheral blood T-lymphocytes
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Docking protein 5 Downstream of tyrosine kinase 5 Insulin receptor substrate 6 IRS-6 IRS6
Molecular Weight	35.464 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16173 OMIM:608334 Reactome:R-HSA-8853659
Alternative Names	Docking protein 5 Downstream of tyrosine kinase 5 Insulin receptor substrate 6 IRS-6 IRS6
Function	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
Post-translational Modifications	Phosphorylated on tyrosine residues in response to insulin, IGF1 and GDNF,

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