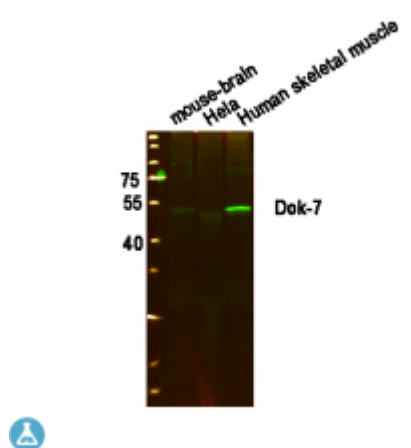


Anti-Dok-7 antibody



Description	Rabbit polyclonal to Dok-7.
Model	STJ92766
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Dok-7
Immunogen Region	10-90 aa, N-terminal
Gene ID	285489
Gene Symbol	DOK7
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Dok-7 Polyclonal Antibody detects endogenous levels of Dok-7 protein.
Tissue Specificity	Preferentially expressed in skeletal muscle and heart. Present in thigh muscle, diaphragm and heart but not in the liver or spleen (at protein level).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Protein Dok-7 Downstream of tyrosine kinase 7
Molecular Weight	60 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:26594OMIM:254300
Alternative Names	Protein Dok-7 Downstream of tyrosine kinase 7
Function	Probable muscle-intrinsic activator of MUSK that plays an essential role in neuromuscular synaptogenesis. Acts in aneural activation of MUSK and subsequent acetylcholine receptor (AChR) clustering in myotubes. Induces autophosphorylation of MUSK.
Sequence and Domain Family	The PH domain mediated binding to phospholipids with phosphoinositol headgroups. Affinity is highest for phosphatidyl 3,4,5-trisphosphate, followed by phosphatidylinositol 3,4-bisphosphate and phosphatidylinositol 4,5-bisphosphate .
Cellular Localization	Cell membrane Cell junction, synapse. Accumulates at neuromuscular junctions.

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