SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-DOK3 antibody

Catalog Number: SL6234R

FOR RESEARCH USE ONLY

[DATASHEET]

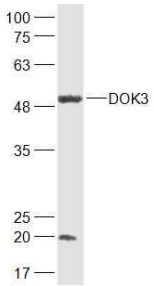
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DOK3
Immunogen:	KLH conjugated synthetic peptide derived from human DOK3: 45-145/496
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Cow)
Predicted MW.:	53kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	DOK 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 INPP5D/SHIP1. May modulate Abl functionDOK 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 INPP5D/SHIP1. May modulate Abl function. There are 4 isoforms generated by alternative splicing. **Function:** DOK 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 **Subunit:** On tyrosine phosphorylation, interacts with CSK and INPP5D/SHIP1 via their SH2 domains. Both Tyr-381 and Tyr-398 are

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

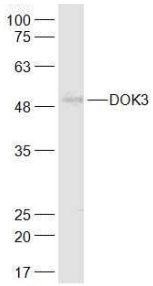
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	required for interaction with INPP5D. Only Tyr-381 is required for interaction with CSK. Binds ABL1 through the PTB domain and in a kinase-dependent manner. Does not interact with RasGAP (By similarity). **Subcellular Location:** Cytoplasm (By similarity). Cell membrane; Peripheral membrane protein; Cytoplasmic side (By similarity). **Tissue Specificity:** Expressed in spleen. **Post-translational modifications:** Constitutively tyrosine-phosphorylated (By similarity). On IL2 stimulation, phosphorylated on C-terminal tyrosine residues possibly by Src kinases. Can also be phosphorylated by ABL1 kinase (By similarity). **Similarity:** Belongs to the DOK family. Type A subfamily. Contains 1 IRS-type PTB domain. Contains 1 PH domain. **Database links:** **Entrez Gene:** 79930 Human **Entrez Gene:** 27261 Mouse **Entrez Gene:** 306760 Rat Omim: 611435 Human **SwissProt:** Q7L591 Human **SwissProt:** Q9QZK7 Mouse **SwissProt:** B2RYG7 Rat **Unigene:** 720849 Human **Unigene:** 33910 Mouse **Unigene:** 19911 Rat

[VALIDATION IMAGES]



Sample:
SP2/0(Mouse) Cell Lysate at 30 ug
Primary: Anti-DOK3 (SL6234R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 53 kD
Observed band size: 53 kD



Sample:
Lung (Mouse) Lysate at 40 ug
Primary: Anti-DOK3 (SL6234R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 53 kD
Observed band size: 53 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.