



Rabbit Anti-DOK3 antibody

SL6234R

Product Name:	DOK3
Chinese Name:	对接蛋白3抗体
Alias:	Docking protein 3; DOK 3; DOK Like Protein; DOKL Pending; Downstream of tyrosine kinase 3; p62 DOK Like Protein; DOK3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DOK3:45-145/496
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:

Q7L591

Gene ID:

79930

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

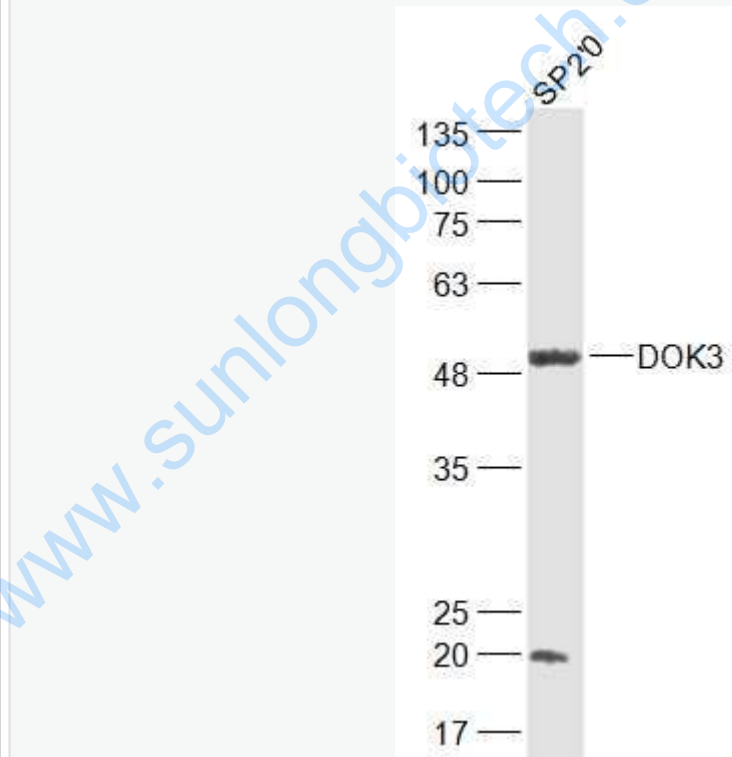
[Unigene: 33910](#)Mouse

[Unigene: 19911](#)Rat

Important Note:

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

Picture:



Sample:

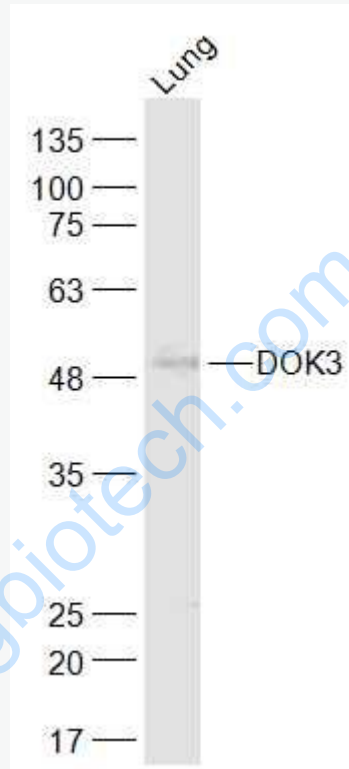
SP2/0(Mouse) Cell Lysate at 30 ug

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