

For Research Use Only

# DOK3 Polyclonal antibody

Catalog Number: 15749-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 15749-1-AP	<b>GenBank Accession Number:</b> BC004564	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79930	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7L591	
<b>Isotype:</b> IgG	<b>Full Name:</b> docking protein 3	
<b>Immunogen Catalog Number:</b> AG8221	<b>Calculated MW:</b> 496aa,53 kDa; 330aa,36 kDa	
	<b>Observed MW:</b> 53 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, Ramos cells
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

The adaptor proteins downstream of kinase 1 (DOK1) to DOK3 are mainly found in immune cells, and they are closely related, with some functional redundancy, although each DOK protein has distinct properties and functions. DOK1 to DOK3 inhibit LPS responses. DOK proteins have an N-terminal pleckstrin homology (PH) domain, a phosphotyrosine-binding (PTB) domain, and four tyrosine-containing motifs that can bind to Src homology 2 (SH2) domains when phosphorylated. DOK3 was also shown to have an inhibitory role as it restricts Ca<sup>2+</sup> and JNK activation in B cell receptor signaling. The MW of this protein is 53 kDa, and this antibody specially recognises the 53 kDa protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiu Liu	32193105	Int Immunopharmacol	IHC

## Storage

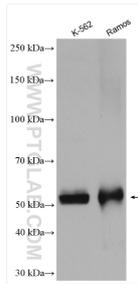
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15749-1-AP (DOK3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.