

For Research Use Only

DOK3 Polyclonal ANTIBODY



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

Basic Information

Catalog Number: 15749-1-AP	GenBank Accession Number: BC004564	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79930	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: docking protein 3	
Isotype: IgG	Calculated MW: 496aa,53 kDa; 330aa,36 kDa	
Immunogen Catalog Number: AG8221	Observed MW: 53 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: Jurkat cells, IHC: human lymphoma tissue,
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 Ca²⁺ 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

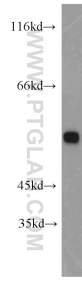
Storage

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

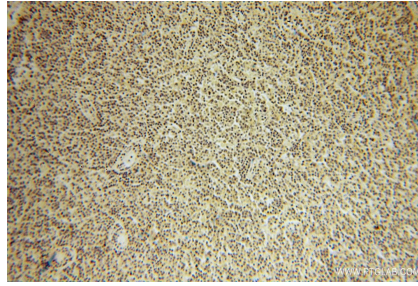
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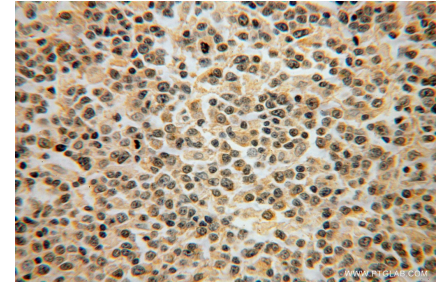
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 15749-1-AP (DOK3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 15749-1-AP (DOK3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma using 15749-1-AP (DOK3 antibody) at dilution of 1:50 (under 40x lens).