

For Research Use Only

# DOCK7 Polyclonal antibody

Catalog Number: 13000-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 13000-1-AP	<b>GenBank Accession Number:</b> BC016392	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 85440	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96N67	
<b>Isotype:</b> IgG	<b>Full Name:</b> dedicator of cytokinesis 7	
<b>Immunogen Catalog Number:</b> AG3671	<b>Calculated MW:</b> 2109 aa, 239 kDa	
	<b>Observed MW:</b> 238-243 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, mouse brain tissue, human brain tissue, mouse ovary tissue, Jurkat cells, HeLa cells, HepG2 cells, K-562 cells, rat brain tissue
<b>Cited Applications:</b> WB, IF, IP, ColP	<b>IP :</b> HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> HeLa cells,
<b>Cited Species:</b> human, mouse	

## Background Information

DOCK 7 (dedicator of cytokinesis 7), also known as ZIR2, is a member of the DOCK180-related protein superfamily. Expressed mainly in neuronal cells, DOCK 7 is a guanine nucleotide exchange factor (GEF) for small GTPases, Rac1 and Cdc42, which are the major regulators of actin cytoskeleton. Multiple isoforms of DOCK 7 exist due to alternative splicing events. The DOCK 7 antibody (13000-1-AP) can recognize all the isoforms.

## Notable Publications

Author	Pubmed ID	Journal	Application
P V Ryder	23676666	Mol Biol Cell	WB
Gao Guo	35915159	Nat Cell Biol	WB
Stephan Tetenborg	39651118	bioRxiv	IF

## Storage

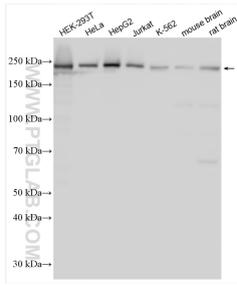
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

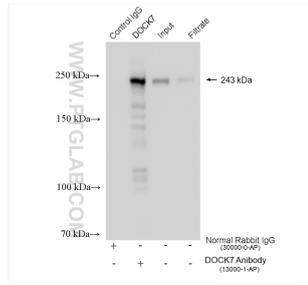
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

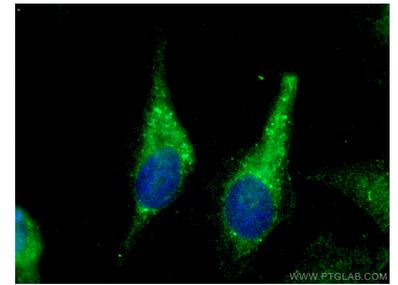
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13000-1-AP (DOCK7 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours.



IP result of anti-DOCK7 (IP:13000-1-AP, 4ug; Detection:13000-1-AP 1:10000) with HeLa cells lysate 1280 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DOCK7 antibody (13000-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).