

For Research Use Only

# DOK7 Polyclonal antibody

Catalog Number: 22697-1-AP



## Basic Information

<b>Catalog Number:</b> 22697-1-AP	<b>GenBank Accession Number:</b> BC131544	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 285489	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q18PE1	
<b>Isotype:</b> IgG	<b>Full Name:</b> docking protein 7	
<b>Immunogen Catalog Number:</b> AG18543	<b>Calculated MW:</b> 504 aa, 53 kDa	
	<b>Observed MW:</b> 64 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, MCF-7 cells, HEK-293 cells IHC : human skeletal muscle tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DOK7, also named as C4orf25, is a MuSK-interacting cytoplasmic protein. DOK7 is essential for neuromuscular synaptogenesis through its interaction with MuSK. It plays an essential role in neuromuscular synaptogenesis. DOK7 acts in aneural activation of MUSK and subsequent acetylcholine receptor (AChR) clustering in myotubes. DOK7 has some isoforms with MW 53 kDa, 37 kDa, 28 kDa and 64 kDa.

## Storage

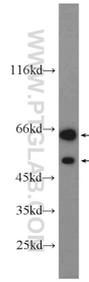
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

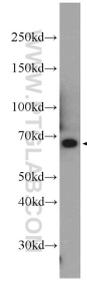
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



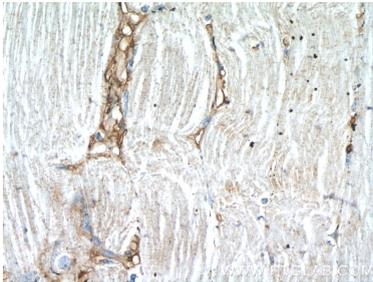
HEK-293 cells were subjected to SDS PAGE followed by western blot with 22697-1-AP (DOK7 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Jurkat cells were subjected to SDS PAGE followed by western blot with 22697-1-AP (DOK7 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 22697-1-AP (DOK7 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 22697-1-AP (DOK7 Antibody) at dilution of 1:50 (under 40x lens).