

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 µg/ml by Nanodrop and 433 µg/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>Full Name:</b> docking protein 7	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 504 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG18543	<b>Observed MW:</b> 64 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: Jurkat cells, MCF-7 cells, HEK-293 cells
<b>Species Specificity:</b> human	<b>IHC:</b> human skeletal muscle tissue,

**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

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 a neural 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

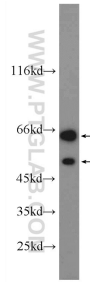
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

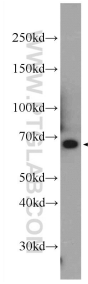
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



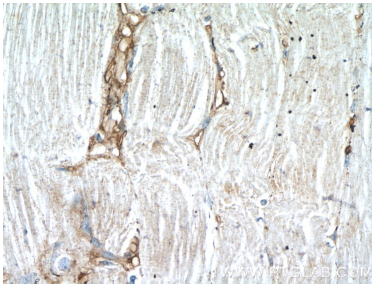
HEK-293 cells were subjected to SDS PAGE followed by western blot with 22697-1-AP (DOK7 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).