

DOK7 Polyclonal antibody

Catalog Number: 22697-1-AP

Basic Information

Catalog Number: 22697-1-AP	GenBank Accession Number: BC131544	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 285489	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q18PE1	
Isotype: IgG	Full Name: docking protein 7	
Immunogen Catalog Number: AG18543	Calculated MW: 504 aa, 53 kDa Observed MW: 64 kDa	

Applications

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

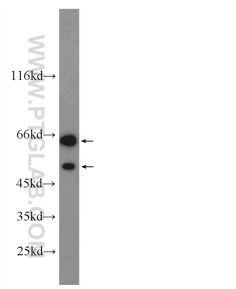
Background Information

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.

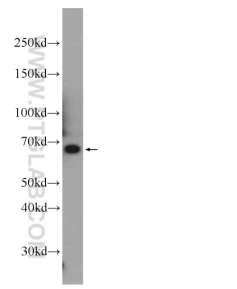
Storage

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

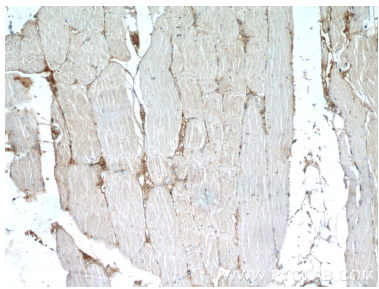
Selected Validation Data



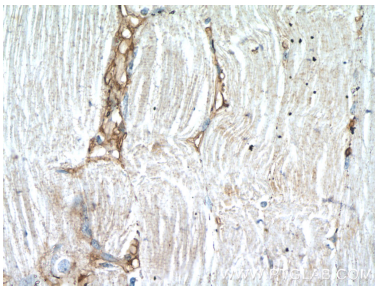
HEK-293 cells were subjected to SDS PAGE followed by western blot with 22697-1-AP (DOK7 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).