

For Research Use Only

KANK1 Polyclonal antibody

Catalog Number: 29782-1-AP



Basic Information

Catalog Number: 29782-1-AP	GenBank Accession Number: NM_015158	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 23189	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: KN motif and ankyrin repeat domains 1	
Isotype: IgG	Calculated MW: 147KD	
Immunogen Catalog Number: AG31422	Observed MW: 130-200 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293T cells, IHC : mouse heart tissue,
Species Specificity: Human, mouse	

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

KANK1 (KN motif and ankyrin repeat domain-containing protein 1) is involved in the control of cytoskeleton formation by regulating actin polymerization, inhibiting actin fiber formation and cell migration (PMID: 25961457). It inhibits RhoA activity, the formation of lamellipodia but not of filopodia (PMID: 25961457, PMID: 5961457). It also inhibits fibronectin-mediated cell spreading and regulates Rac signaling pathways (PMID: 25961457). Talin-KANK1 interaction controls the recruitment of cortical microtubule stabilizing complexes to focal adhesions (PMID: 27410476). KANK1 can be detected 130-200 kDa (PMID: 15823577, PMID: 33253712, PMID: 35805114).

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

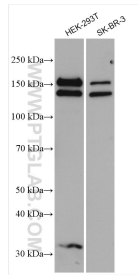
For technical support and original validation data for this product please contact:

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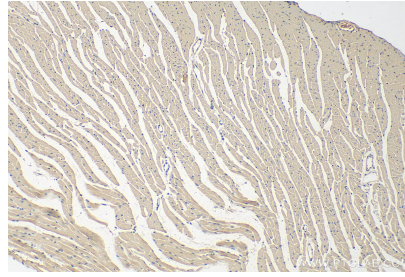
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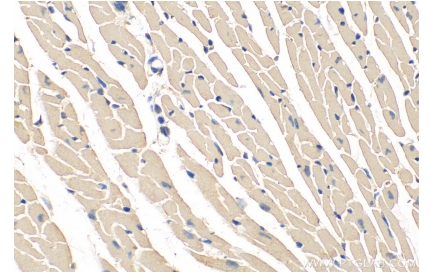
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29782-1-AP (KANK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 29782-1-AP (KANK1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 29782-1-AP (KANK1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).