

For Research Use Only

KANK1 Polyclonal antibody, PBS Only

Catalog Number: 29782-1-PBS



Basic Information

Catalog Number: 29782-1-PBS	GenBank Accession Number: NM_015158	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23189	
Source: Rabbit	UNIPROT ID: Q14678	
Isotype: IgG	Full Name: KN motif and ankyrin repeat domains 1	
Immunogen Catalog Number: AG31422	Calculated MW: 147KD	
	Observed MW: 130-200 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.

Storage Buffer:
PBS Only

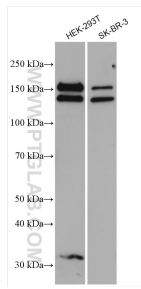
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

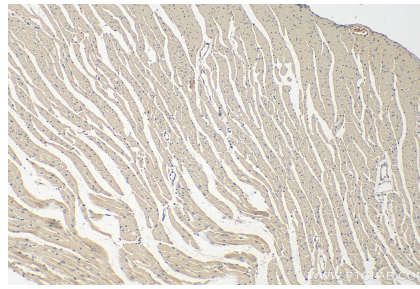
E: proteintech@ptglab.com
W: ptglab.com

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

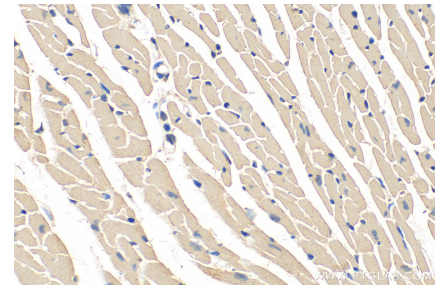
Selected Validation Data



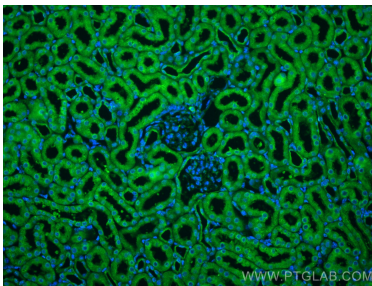
Various lysates were subjected to SDS PAGE followed by western blot with 29782-1-AP (KANK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29782-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29782-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29782-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using KANK1 antibody (29782-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29782-1-PBS in a different storage buffer formulation.