

# SH3D19 Polyclonal antibody

Catalog Number: 21499-1-AP

## Basic Information

<b>Catalog Number:</b> 21499-1-AP	<b>GenBank Accession Number:</b> BC108890	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 152503	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5HYK7	<b>IHC 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> SH3 domain containing 19	<b>IF/ICC 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG15915	<b>Calculated MW:</b> 790 aa, 87 kDa	
	<b>Observed MW:</b> 45-47 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HT-1080 cells, Y79 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse heart tissue, human heart tissue, human kidney tissue, mouse kidney tissue
	<b>IF/ICC :</b> HepG2 cells, Hela cells

## Background Information

SH3D19, also known as EBP, Eve-1, encodes a multiple SH3 domain-containing protein. SH3D19 plays a role in regulating A disintegrin and metalloproteases (ADAMs) in the signaling of EGFR-ligand shedding. SH3D19 is involved in the suppression of Ras-induced cellular transformation and Ras-mediated activation of ELK1(PMID: 14551139). SH3D19 is abundantly expressed in skeletal muscle and heart(PMID: 15280379).

## Storage

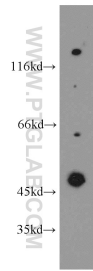
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

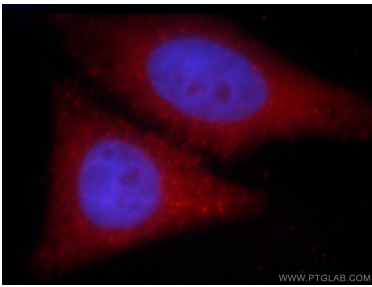
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

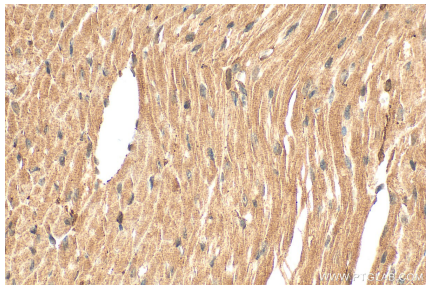
Selected Validation Data



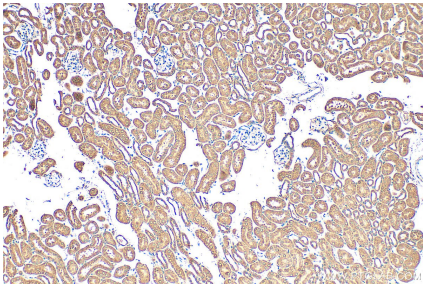
HT-1080 cells were subjected to SDS PAGE followed by western blot with 21499-1-AP (SH3D19 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



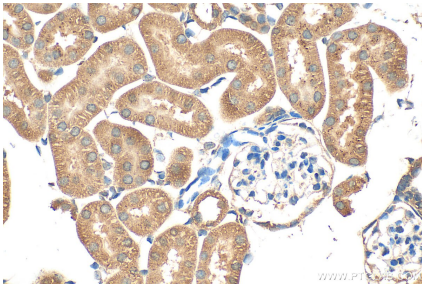
Immunofluorescent analysis of HepG2 cells, using SH3D19 antibody 21499-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



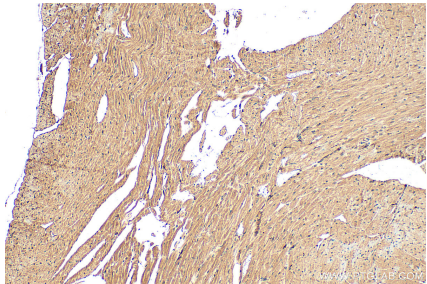
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21499-1-AP (SH3D19 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21499-1-AP (SH3D19 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21499-1-AP (SH3D19 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21499-1-AP (SH3D19 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).