

For Research Use Only

ACTG2 Polyclonal antibody, PBS Only

Catalog Number: 31849-1-PBS



Basic Information

Catalog Number: 31849-1-PBS	GenBank Accession Number: BC094877	Purification Method: Antigen affinity Purification
Concentration: 1 mg/ml	GeneID (NCBI): 72	
Source: Rabbit	UNIPROT ID: P63267	
Isotype: IgG	Full Name: actin, gamma 2, smooth muscle, enteric	
Immunogen Catalog Number: AG36024	Calculated MW: 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Actin gamma 2 (ACTG2, also known as ACT, ACTE, VSCM, ACTA3, ACTL3, and ACTSG) is a highly conserved protein involved in various types of cell motility and ubiquitously expressed in all eukaryotic cells. ACTG2 mutations would cause congenital distended bladder, microcolon, and intestinal hypoperistalsis (PMID: 24337657). It also has been reported that ACTG2 promotes hepatocellular carcinoma (HCC) migration and invasion through the Notch1 signaling pathway, which might serve as a new intervention target for the treatment of HCC (PMID: 28385530).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

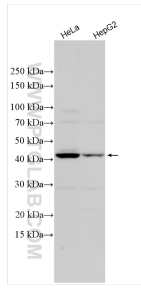
T: 4006900926

E: Proteintech-CN@ptglab.com

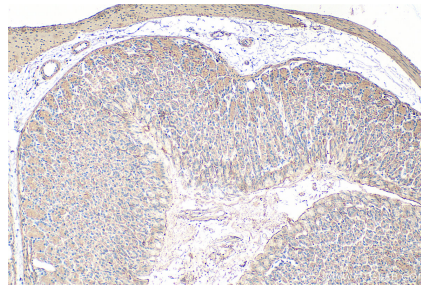
W: ptgcn.com

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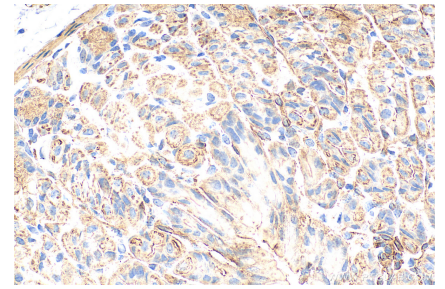
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31849-1-AP (ACTG2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31849-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 31849-1-AP (ACTG2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31849-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 31849-1-AP (ACTG2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31849-1-PBS in a different storage buffer formulation.