

For Research Use Only

CAAP1 Polyclonal antibody, PBS Only

Catalog Number: 26213-1-PBS



Basic Information

Catalog Number: 26213-1-PBS	GenBank Accession Number: BC014658	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 79886	
Isotype: IgG	UNIPROT ID: Q9H8G2	
Immunogen Catalog Number: AG23850	Full Name: chromosome 9 open reading frame 82	
	Observed MW: 47-55 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
human

Background Information

CAAP1 (Caspase Activity and Apoptosis Inhibitor 1), also known as C9orf82, is an evolutionarily conserved anti-apoptotic protein. It inhibits apoptosis by interfering with the activation of caspase-10, thereby blocking the feedback amplification loop of caspase-3/9 in the mitochondrial apoptotic pathway. Recent studies have revealed that CAAP1 plays a dual role in the regulation of autophagy, balancing the processes of autophagy and apoptosis. In tumor biology, the expression level of CAAP1 is associated with chemotherapy resistance in various cancers, making it a potential prognostic biomarker. In addition, CAAP1 is involved in neuroprotective mechanisms and plays an important role in hypoxic-ischemic brain injury by regulating neuronal apoptosis. Its expression is finely regulated by non-coding RNA networks, including MKL1/miR-5100 and miR-184-5p. (PMID: 30629682)

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:

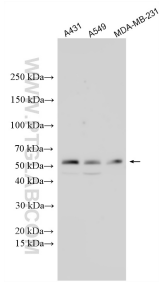
T: 4006900926

E: Proteintech-CN@ptglab.com

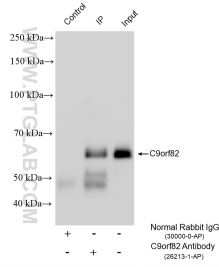
W: ptgcn.com

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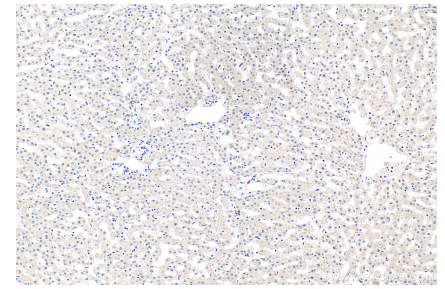
Selected Validation Data



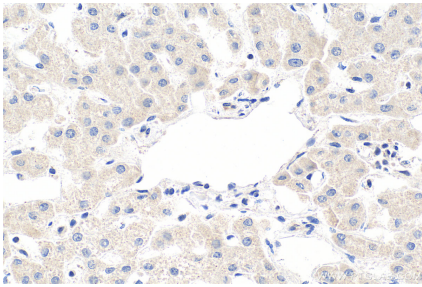
Various lysates were subjected to SDS PAGE followed by western blot with 26213-1-AP (C9orf82 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26213-1-PBS in a different storage buffer formulation.



IP result of anti-C9orf82 (IP:26213-1-AP, 4ug; Detection:26213-1-AP 1:3000) with A431 cells lysate 800 ug. This data was developed using the same antibody clone with 26213-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26213-1-AP (CAAP1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26213-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26213-1-AP (CAAP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26213-1-PBS in a different storage buffer formulation.