

For Research Use Only

CASK Polyclonal antibody

Catalog Number: 55277-1-AP

Featured Product



Basic Information

Catalog Number:

55277-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003688

GeneID (NCBI):

8573

UNIPROT ID:

O14936

Full Name:

calcium/calmodulin-dependent
serine protein kinase (MAGUK family)

Calculated MW:

105 kDa

Observed MW:

100-110 kDa, 50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: mouse brain tissue, mouse liver tissue, A549
cells, rat brain tissue

IHC: rat small intestine tissue, mouse kidney tissue,
human thyroid cancer tissue

Background Information

CASK, also named as LIN2, belongs to the MAGUK family. It is a multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. It contributes to neural development and regulation of gene expression via interaction with the transcription factor TRB1. CASK binds to cell-surface proteins, including amyloid precursor protein, neuroligins and syndecans. It may mediate a link between the extracellular matrix and the actin cytoskeleton via its interaction with syndecan and with the actin/spectrin-binding protein 4.1. Defects in CASK are the cause of mental retardation X-linked CASK-related (MRXCASK). Defects in CASK are the cause of FG syndrome type 4 (FGS4). This antibody can recognize all the isoform of CASK.

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

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

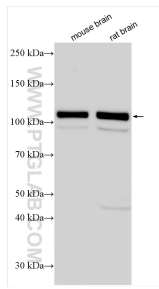
T: 4006900926

E: Proteintech-CN@ptglab.com

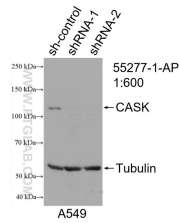
W: ptgcn.com

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

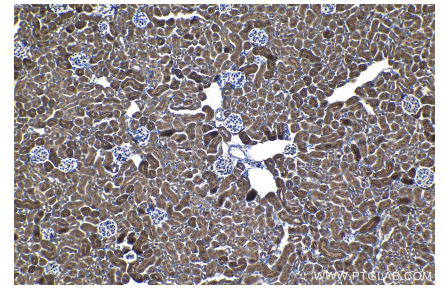
Selected Validation Data



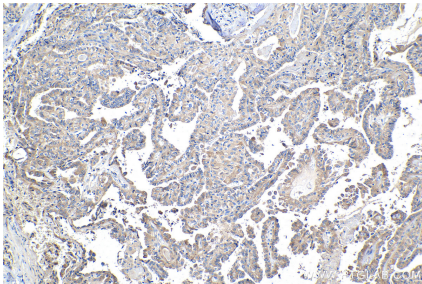
Various lysates were subjected to SDS PAGE followed by western blot with 55277-1-AP (CASK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



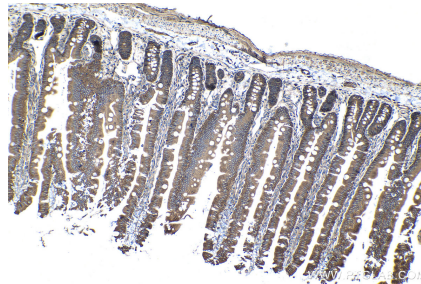
WB result of CASK antibody (55277-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-CASK transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 55277-1-AP (CASK antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 55277-1-AP (CASK antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 55277-1-AP (CASK antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).