

For Research Use Only

RASSF4 Polyclonal antibody

Catalog Number: 19118-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

19118-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5780

GenBank Accession Number:

BC032593

GeneID (NCBI):

83937

UNIPROT ID:

Q9H2L5

Full Name:

Ras association (RalGDS/AF-6) domain family member 4

Calculated MW:

321 aa, 37 kDa

Observed MW:

34-37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

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 : HCT 116 cells, NCI-H1299 cells, U2OS cells, MG-63 cells

IHC : human intrahepatic cholangiocarcinoma tissue,

Background Information

RASSF4, a member of the classical RASSF family of scaffold proteins, is associated with alveolar rhabdomyosarcoma (aRMS), an aggressive pediatric cancer of muscle histogenesis. In aRMS, RASSF4 is upregulated in human cell lines and tumors and is oncogenic, portending a worse clinical prognosis. RASSF4 has been reported to directly interact with and activate K-Ras in a GTP-dependent manner. Ectopic expression of RASSF4 induces 293T apoptosis in a Ras-dependent manner and inhibits tumour cell growth.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Han	26526576	Tumour Biol	IHC
Yong Han	35611809	J Cell Mol Med	WB,IHC

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

*** 20ul sizes contain 0.1% BSA

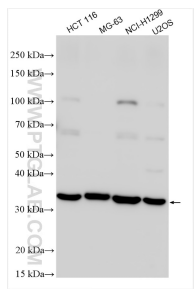
For technical support and original validation data for this product please contact:

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

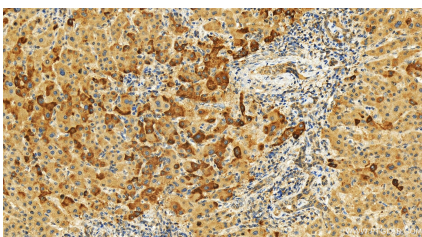
E: proteintech@ptglab.com
W: ptglab.com

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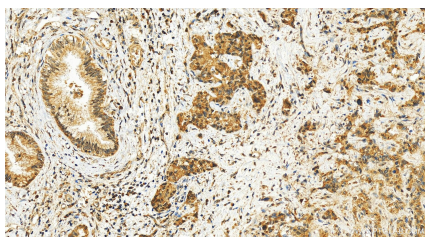
Selected Validation Data



HCT 116 cells were subjected to SDS PAGE followed by western blot with 19118-1-AP (RASSF4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 19118-1-AP (RASSF4 antibody) at dilution of 1:50 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 19118-1-AP (RASSF4 antibody) at dilution of 1:50 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).