

RCCD1 Polyclonal antibody

Catalog Number: 24446-1-AP

Basic Information

Catalog Number:

24446-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19685

GenBank Accession Number:

BC140708

GeneID (NCBI):

91433

UNIPROT ID:

A6NED2

Full Name:

RCC1 domain containing 1

Calculated MW:

376 aa, 40 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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 : A549 cells, HeLa cells, Jurkat cells

IHC : human intrahepatic cholangiocarcinoma tissue, human stomach tissue

Background Information

RCCD1 is a new member of the large, phylogenetically conserved, RCC1 superfamily. Many RCC1 superfamily proteins have been linked to several human diseases, including cancer. RCCD1 was reported as a partner of histone H3K36 demethylase KDM8 involved in chromosome segregation, and has been identified as a potential driver for breast cancer. RCCD1 plays a role in regulating alpha-tubulin deacetylation and cytoskeletal microtubule stability, thereby promoting cell migration and TGF-beta-induced epithelial-to-mesenchymal transition (EMT), potentially through the inhibition of KDM8.

Storage

Storage:

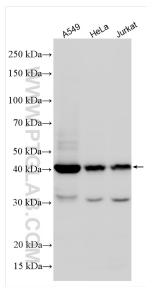
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

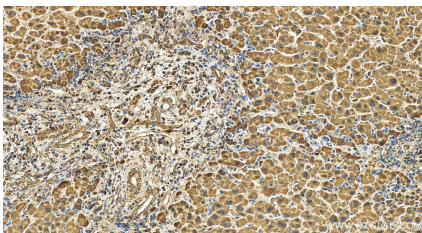
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

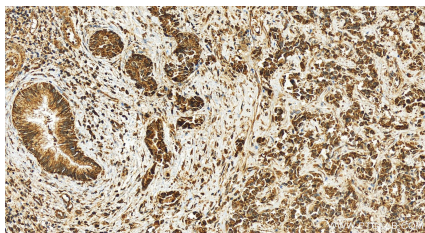
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24446-1-AP (RCCD1 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 24446-1-AP (RCCD1 antibody) at dilution of 1:50 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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