

For Research Use Only

ANKIB1 Polyclonal antibody

Catalog Number: 30467-1-AP



Basic Information

Catalog Number:

30467-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33126

GenBank Accession Number:

NM_019004.1

GeneID (NCBI):

54467

UNIPROT ID:

Q9P2G1

Full Name:

ankyrin repeat and IBR domain containing 1

Calculated MW:

122 kDa

Observed MW:

122 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Species Specificity:

Human, mouse

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, MCF-7 cells

IP: HeLa cells,

IHC: mouse kidney tissue, mouse placenta tissue, mouse brain tissue

IF: U2OS cells, A431 cells

Background Information

Ankyrin repeat and IBR domain-containing protein 1 (ANKIB1) is also named as KIAA1386, and belongs to the RBR family. ANKIB1 might act as an E3 ubiquitin-protein ligase, or as part of E3 complex, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates. The common biomarkers found within the H and EC region of brain are ZNF621, SLC25A46, RAE1, and ANKIB1. Among these biomarkers, RAE1, ANKIB1, and SLC25A46 have been reported to be prominently involved in several neurodegenerative disorders (PMID:33878365). ANKIB1 is also found to be associated with Cerebral cavernous malformations (PMID:20798775).

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:

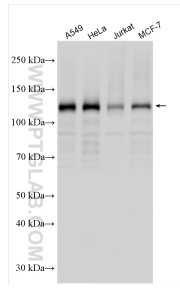
T: 4006900926

E: Proteintech-CN@ptglab.com

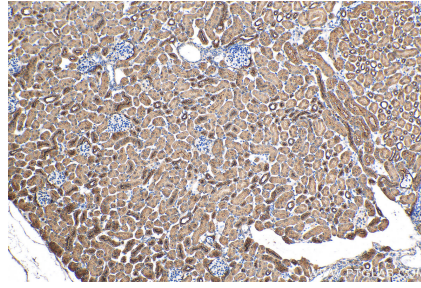
W: ptgcn.com

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

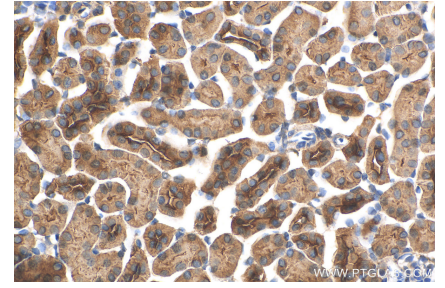
Selected Validation Data



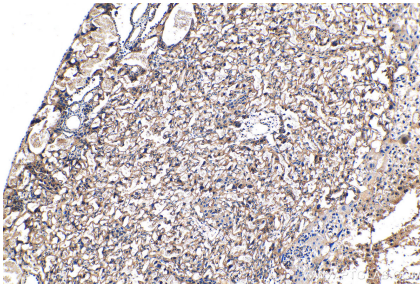
Various lysates were subjected to SDS PAGE followed by western blot with 30467-1-AP (ANKIB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



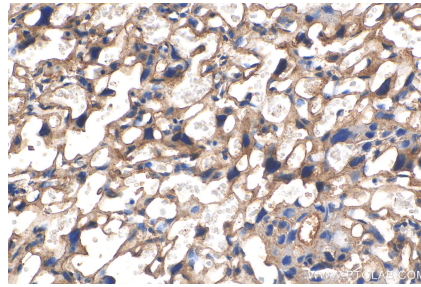
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



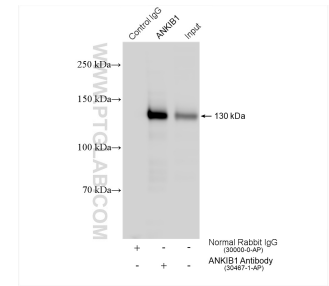
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



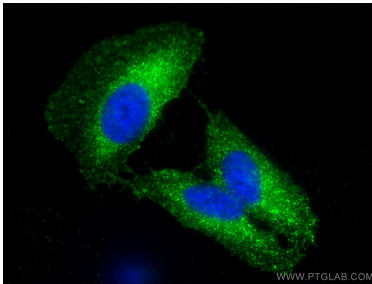
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



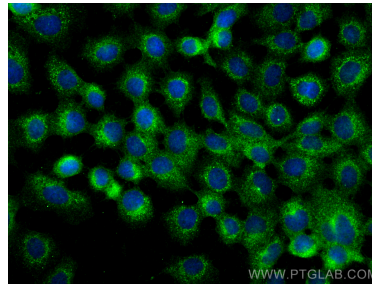
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ANKIB1 (IP:30467-1-AP, 4ug; Detection:30467-1-AP 1:4000) with HeLa cells lysate 1560 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using ANKIB1 antibody (30467-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using ANKIB1 antibody (30467-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).