

For Research Use Only

ANKIB1 Polyclonal antibody

Catalog Number: 30467-1-AP



Basic Information

Catalog Number:

30467-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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/ICC: 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

*** 20ul sizes contain 0.1% BSA

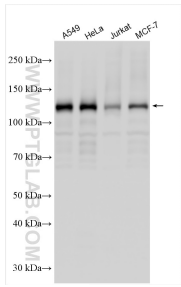
For technical support and original validation data for this product please contact:

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

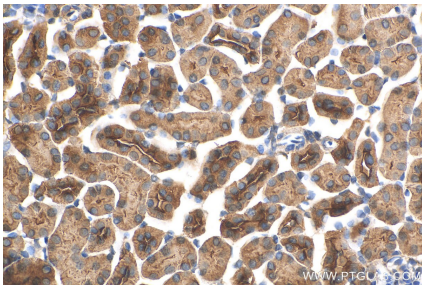
E: proteintech@ptglab.com
W: ptglab.com

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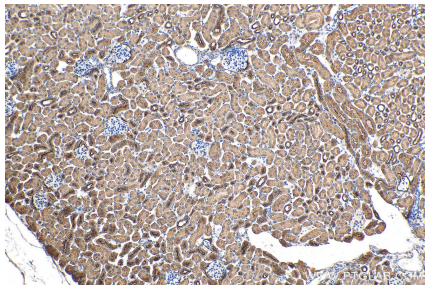
Selected Validation Data



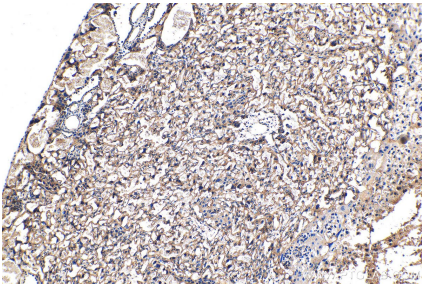
Various lysates were subjected to SDS PAGE followed by western blot with 30467-1-AP (ANKIB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



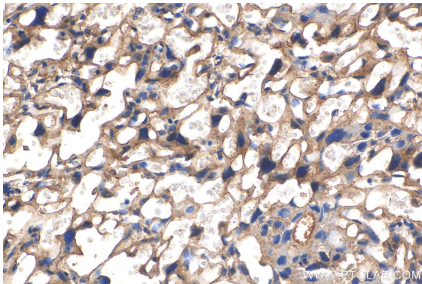
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



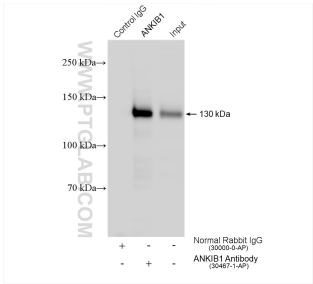
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



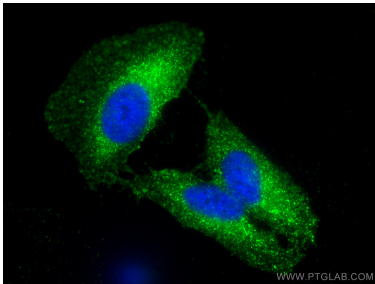
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



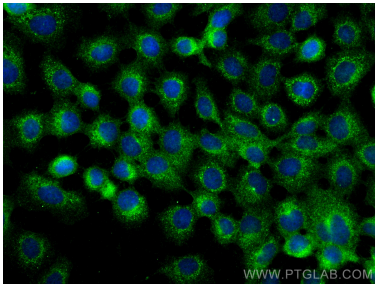
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 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 Goat Anti-Rabbit IgG(H+L).