For Research Use Only

ANKIB1 Polyclonal antibody

Catalog Number:30467-1-AP

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Antibodies | ELISA kits | Proteins
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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 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:
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/ICC : U2OS cells, A431 cells

Background Information

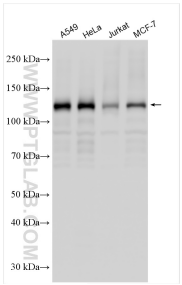
Ankyrin repeat and IBR domain-containing protein 1 (ANKIB1) is also named as KIAA1386, and belongs to the RBR family. ANKIB1 might act as an E3 ubiquitin-protein ligase, or as part of E3 complex, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates. 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

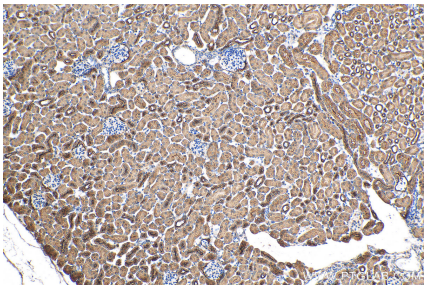
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

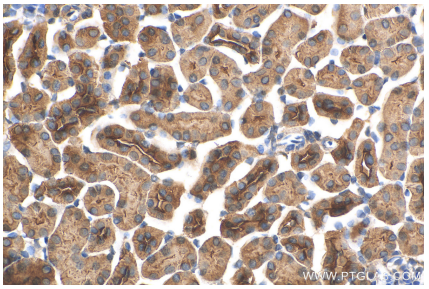
Selected Validation Data



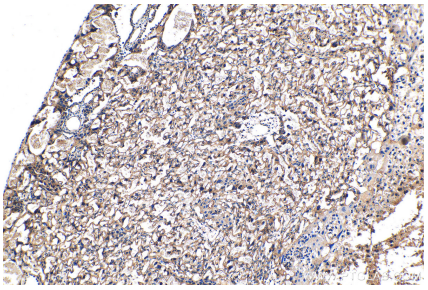
Various lysates were subjected to SDS PAGE followed by western blot with 30467-1-AP (ANKIB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



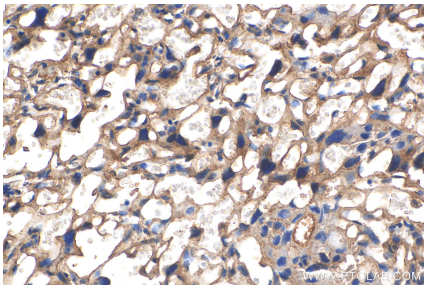
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



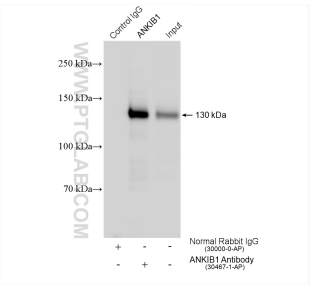
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



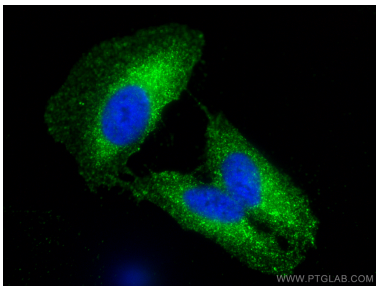
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



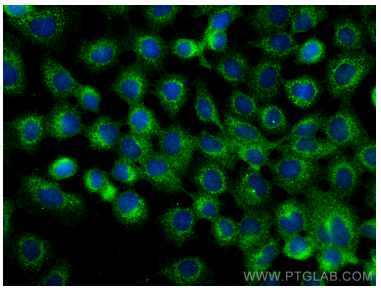
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30467-1-AP (ANKIB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).