For Research Use Only

ABR Polyclonal antibody

Catalog Number:29350-1-AP

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Basic Information

Catalog Number:
29350-1-AP

Size:
150ul , Concentration: 1300 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG29522

GenBank Accession Number:
NM_021962

GeneID (NCBI):
29

UNIPROT ID:
Q12979

Full Name:
active BCR-related gene

Calculated MW:
98 kDa

Observed MW:
97-100 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

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 : SH-SY5Y cells, mouse brain tissue, rat brain tissue

IHC : rat brain tissue,

Background Information

ABR (Active breakpoint cluster region-related protein) is the only protein known in humans and mice to share high homology with BCR (68% amino acid identity). BCR(Breakpoint cluster region) gene was originally identified due to its involvement in a specific chromosomal translocation that causes the development of chronic myeloid leukemia and a subset of acute lymphoblastic leukemia. The C-terminus is a GTPase-activating protein domain which stimulates GTP hydrolysis by RAC1, RAC2 and CDC42. (PMID: 17116687, PMID: 37507586)

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
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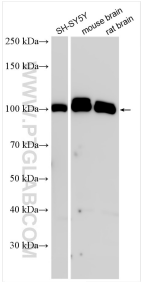
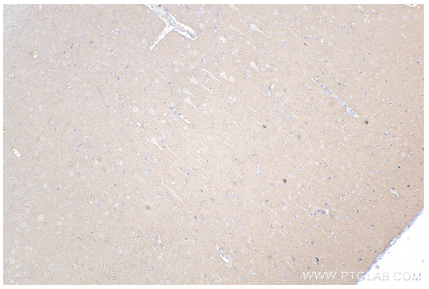
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29350-1-AP (ABR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 29350-1-AP (ABR antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).