

For Research Use Only

ABL2 Polyclonal antibody

Catalog Number: 17693-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

17693-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11860

GenBank Accession Number:

BC065912

GeneID (NCBI):

27

UNIPROT ID:

P42684

Full Name:

v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)

Calculated MW:

1167 aa, 127 kDa

Observed MW:

128-140 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

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse brain tissue,

IP: HeLa cells,

IHC: human gliomas tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ABL2 (Abelson tyrosine-protein kinase 2) is also named as ABLL, ARG and belongs to the protein kinase superfamily. It is a membrane-anchored nonreceptor tyrosine kinase that is a novel mediator of SEMA3F-induced RhoA inactivation and collapsing activity and it has a role in cytoskeletal rearrangements by its C-terminal F-actin- and microtubule-binding sequences. ABL2 can be polyubiquitinated and the polyubiquitination of ABL2 leads to degradation. This protein has 9 isoforms produced by alternative splicing with the molecular weight from 114 kDa to 128 kDa. The antibody is specific to the others except the 60 kDa isoform of ABL2.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinkun Shen	34901556	Bioact Mater	IF
Siddhesh Aras	27913209	Biochim Biophys Acta	WB
Ze Zhang	34750518	Oncogene	WB, IHC, CoIP

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

*** 20ul sizes contain 0.1% BSA

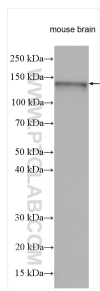
For technical support and original validation data for this product please contact:

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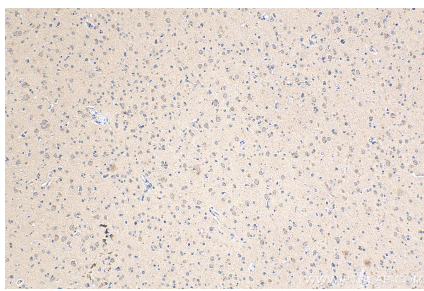
E: proteintech@ptglab.com
W: ptglab.com

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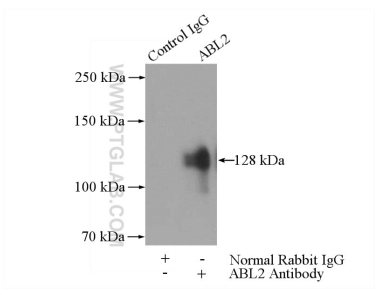
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17693-1-AP (ABL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 17693-1-AP (ABL2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ABL2 (IP:17693-1-AP, 4ug; Detection:17693-1-AP 1:500) with HeLa cells lysate 1200ug.