For Research Use Only

PLRG1 Polyclonal antibody

Catalog Number:11914-1-AP Featured Product 2 Publications

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Basic Information

Catalog Number:
11914-1-AP

Size:
150ul , Concentration: 350 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2527

GenBank Accession Number:
BC020786

GeneID (NCBI):
5356

UNIPROT ID:
O43660

Full Name:
pleiotropic regulator 1 (PRL1 homolog, Arabidopsis)

Calculated MW:
514 aa, 57 kDa

Observed MW:
55-60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
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, IP, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

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 : K-562 cells, HEK-293 cells, BxPC-3 cells

IP : HEK-293 cells,

IHC : human brain tissue,

Background Information

PLRG1, identifed as a component of the CDC5L complex, is one spliceosomal protein highly conserved across species. It has been shown to be essential for pre-mRNA splicing in yeast and humans.

Notable Publications

Author	Pubmed ID	Journal	Application
Shuyan Liu	33731873	Cell Death Differ	WB
Shuai Hou	31216022	Nucleic Acids Res	WB

Storage

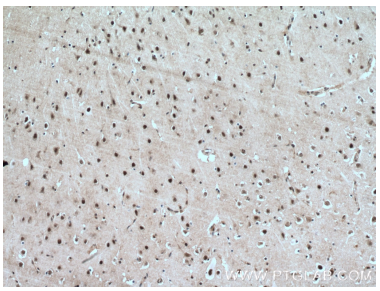
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

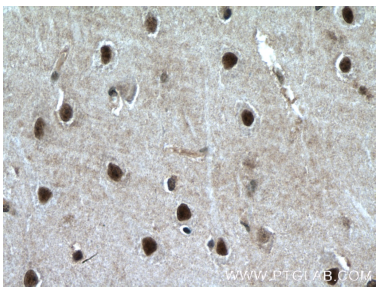
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

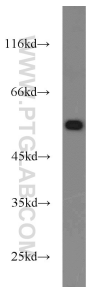
Selected Validation Data



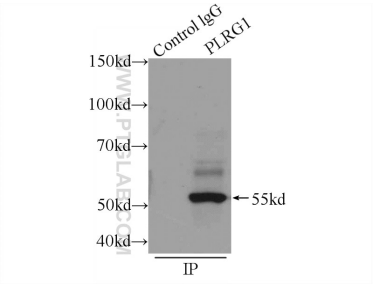
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 11914-1-AP (PLRG1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



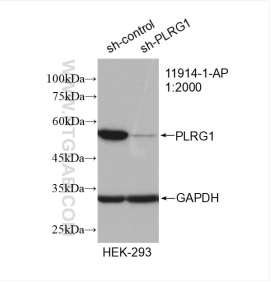
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 11914-1-AP (PLRG1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



K-562 cells were subjected to SDS PAGE followed by western blot with 11914-1-AP (PLRG1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-PLRG1 (IP:11914-1-AP, 4ug; Detection:11914-1-AP 1:1000) with HEK-293 cells lysate 1400ug.



WB result of PLRG1 antibody (11914-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PLRG1 transfected HEK-293 cells.