

C9orf72

Polyclonal ANTIBODY

Catalog Number: 22637-1-AP

Featured Product

5 Publications

Basic Information

Catalog Number:
 22637-1-AP

Size:
 39 µg/150 µl

Source:
 Rabbit

Isotype:
 IgG

Purification Method:
 Antigen affinity purification

Immunogen Catalog Number:
 AG18326

GenBank Accession Number:
 BC020851

GeneID (NCBI):
 203228

Full Name:
 chromosome 9 open reading frame 72

Calculated MW:
 481aa, 54 kDa

Observed MW:
 50-54 kDa, 25-30 kDa

Recommended Dilutions:

WB 1:200-1:1000

IP 1:200-1:1000

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:
 ELISA, WB, IHC, IF, IP

Cited Applications:
 IF, WB

Species Specificity:
 Human, Mouse, Rat

Cited Species:
 human, mouse, mouse

Positive Controls:
WB: SH-SY5Y cells; HeLa cells, mouse testis tissue, Sp2/O cells, transfected cells

IP: SH-SY5Y cells;

IHC: human brain tissue; human gliomas tissue, human testis tissue

IF: SH-SY5Y cells;

Background Information

C9ORF72 has a domain with polymorphic hexanucleotide repeat (GGGGCC). The C9ORF72-hexanucleotide repeat expansions have been recently identified as genetic markers in amyotrophic lateral sclerosis (ALS) and frontotemporal lobar degeneration (FTLD). The C9ORF72 repeat expansions may indicate a worse prognosis in ALS. Human C9ORF72 has some isoforms with MW 54-60 kDa and 25-30 kDa. Mouse C9orf72 has some isoforms with MW 50-60 kDa and 35 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Peter M Sullivan	27193190	Acta Neuropathol Commun	WB
Aaron Burberry	27412785	Sci Transl Med	WB
Ross Ferguson	27476503	J Anat	WB, IF

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

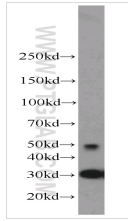
For technical support and original validation data for this product please contact:

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

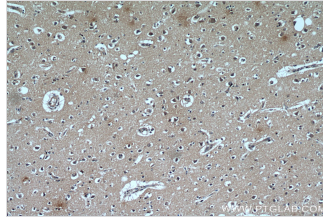
E: proteintech@ptglab.com
 W: ptglab.com

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

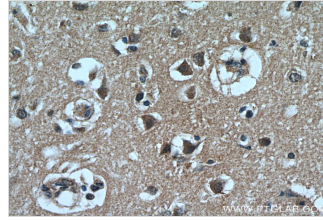
Selected Validation Data



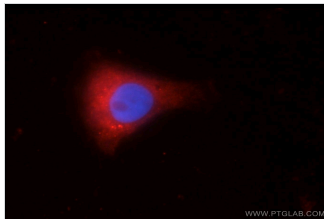
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 22637-1-AP(C9orf72 antibody) at dilution of 1:300



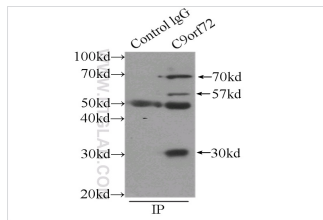
Immunohistochemical of paraffin-embedded human brain using 22637-1-AP(C9orf72 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human brain using 22637-1-AP(C9orf72 antibody) at dilution of 1:50 (under 40x lens)



Immunofluorescent analysis of SH-SY5Y cells using 22637-1-AP(C9orf72 Antibody) at dilution of 1:25 and Rhodamine-Coat anti-Rabbit IgG



IP Result of anti-C9orf72 (IP:22637-1-AP, 3ug; Detection:22637-1-AP 1:300) with SH-SY5Y cells lysate 2000ug.