For Research Use Only

Prion protein PrP/CD230 Recombinant antibody, PBS Only

Catalog Number:85611-4-PBS

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Basic Information

Catalog Number:
85611-4-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3359

GenBank Accession Number:
BC012844

GeneID (NCBI):
5621

UNIPROT ID:
P04156

Full Name:
prion protein

Observed MW:
20-35 kDa

Purification Method:
Protein A purification

CloneNo.:
243104D11

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Prion protein (PRNP) is a ubiquitous membrane glycoprotein whose abnormal self-replicating, misfolded form is widely believed to cause several central nervous system disorders, collectively known as Transmissible Spongiform Encephalopathies (TSE). Prion diseases are TSEs, attributed to conformational conversion of the cellular prion protein (PrPC) into an abnormal conformer that accumulates in the brain. The two isoforms, PrPC and PrPS, have the same primary amino acid sequence and only differ in conformation. While PrPC is composed of 42% α-helix and only 3% β-sheet, PrPSc is composed of 30% α-helix and 43% β-sheet. PrPC converts to its pathogenic isoform when the region corresponding to the residues 108-144 fold into β-sheets. PrPC is very soluble in detergents and easily digested by proteases while the PrPSc is insoluble in detergents and resistant to protease digestion. Prion diseases exist in infectious, sporadic, and genetic forms.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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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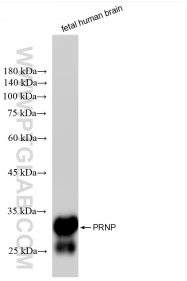
Selected Validation Data



fetal human brain tissue was subjected to SDS PAGE followed by western blot with 85611-4-RR (PRNP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85611-4-PBS in a different storage buffer formulation.