Datasheet for ABIN2854915

anti-PRNP antibody

3 Images

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Overview

Quantity:	100 µL
Target:	PRNP
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRNP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Prion Protein (PrP). The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to PRP (prion protein) PRP antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PRNP
Alternative Name:	prion protein (PRNP Products)

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Target Details

Background:	The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru. Alternative splicing results in multiple transcript variants encoding the same protein. Cellular Localization: Cell membrane, Lipid-anchor , GPI-anchor , Golgi apparatus
Molecular Weight:	28 kDa
Gene ID:	5621
UniProt:	P04156, F7VJQ1
Pathways:	Transition Metal Ion Homeostasis, Activated T Cell Proliferation

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Neuro2A , NIH-3T3 , C2C12 , IMR32
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.36 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

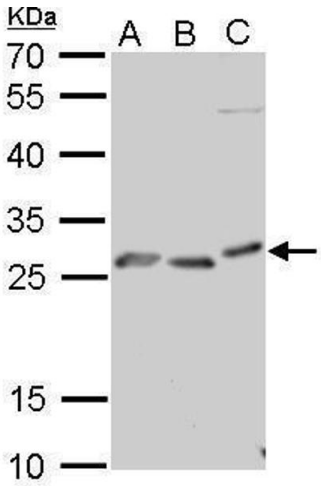
Handling

multiple freeze-thaw cycles.

Images

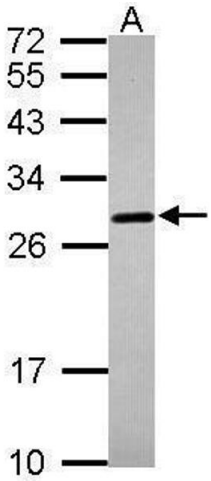
Immunohistochemistry

Image 1. IHC-P Image PRP antibody detects PRP protein at nucleus on mouse middle brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse middle brain. PRP antibody , dilution: 1:500.



Western Blotting

Image 2. WB Image PRP antibody detects PRNP protein by Western blot analysis. A. 30 µg Neuro2A whole cell lysate/extract B. 30 µg NIH-3T3 whole cell lysate/extract C. 30 µg C2C12 whole cell lysate/extract 12 % SDS-PAGE PRP antibody , dilution: 1:1000



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A:IMR32 12% SDS PAGE antibody diluted at 1:1000