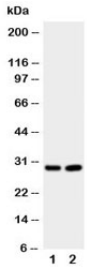
Prion protein Antibody (PrP) (R30893)

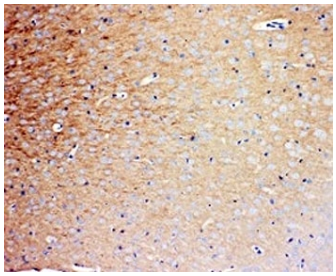
Catalog No.	Formulation	Size
R30893	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P04925
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Prion protein antibody is available for research use only.



Western blot testing of Prion protein antibody and Lane 1: rat brain; 2: rat brain.
Expected molecular weight: 20~29kDa.



IHC-P: Prion protein antibody testing of rat brain tissue

Description

Prion protein, also known as CD230 and PRP, is encoded by the PRNP gene. The major prion protein is expressed in the brain and several other tissues. Expression is most predominant in the nervous system but occurs in many other tissues throughout the body. Puckett et al.(1991) identified a RFLP with a high degree of heterozygosity in the 5-prime region of the PRNP gene, which might serve as a useful marker for the pter-p12 region of chromosome 20. PRNP is associated with a variety of cognitive deficiencies and neurodegenerative diseases such as Creutzfeldt-Jakob disease, bovine spongiform encephalopathy, and kuru.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Prion protein antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of mouse Prion protein (DWEDRYYRENMYRYPNQ) was used as the immunogen for this Prion protein antibody (100% rat homology).

Storage

After reconstitution, the Prion protein antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.