Datasheet for ABIN2452080

anti-PRNP antibody

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Overview

Quantity:	50 µg
Target:	PRNP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant human PrP lacking GPI anchor expressed and purified from rabbit kidney cell line RK13
Clone:	2C5-5
Isotype:	IgG
Cross-Reactivity (Details):	Does not react with mouse Prion. Not tested with other species
Purification:	Purified
Sterility:	Sterile filtered

Target Details

Target:	PRNP
Alternative Name:	Prion Protein (PRNP Products)
Background:	Prion protein PrP is a membrane glycosylphosphatidylinositol(GPI) anchored glycoprotein

Target Details

	highly expressed in neuron and glia cells as well as immune and reproductive cells. Mutations in the octapeptide repeat regions as well as elsewhere in this gene have been associated with neurodegenerative diseases such as Creutzfeldt Jakob disease, fatal familial insomnia, Gerstmann Straussler disease, Huntington disease like 1, and kuru. The infectious isoform of PrPC, known as PrPSc, is able to convert normal PrPPC proteins into the infectious isoform, which is insoluble amyloid aggregate, by changing their. Mature PrP protein in human consists of 209 amino acids. Several forms exist, one cell surface form anchored via and two forms, therefore multiple bands are observed in SDS-PAGE (Figure). conformation topological glycolipid transmembrane
UniProt:	P04156
Pathways:	Transition Metal Ion Homeostasis, Activated T Cell Proliferation

Application Details

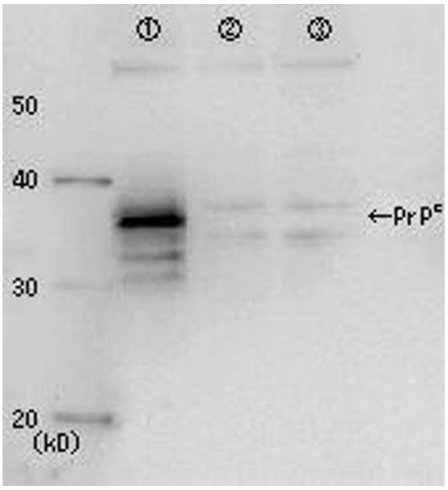
Application Notes:	1) Western blotting: ~0. 5 g/mL 2) ELISA (most suitable) Other applications have not been tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol
Preservative:	Azide free
Storage:	-20 °C

Publications

Product cited in:	Sakudo, Nakamura, Ikuta, Onodera: "Recent developments in prion disease research: diagnostic tools and in vitro cell culture models." in: **The Journal of veterinary medical science / the Japanese Society of Veterinary Science**, Vol. 69, Issue 4, pp. 329-37, (2007) (PubMed).



Western Blotting

Image 1.