ARG10588
anti-CD230 / Prion protein antibody [T16-R]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [T16-R] recognizes CD230 / Prion protein
Tested Reactivity	Hu, Ms, Rat, Bov, Sheep
Tested Application	WB
Host	Rabbit
Clonality	Monoclonal
Clone	T16-R
Isotype	IgG
Target Name	CD230 / Prion protein
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human prion protein
Conjugation	Un-conjugated
Alternate Names	GSS; PrPc; PrP33-35C; PrP27-30; Alternative prion protein; p27-30; CJD; ASCR; CD230; PrP; PRIP; KURU; AltPrP

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

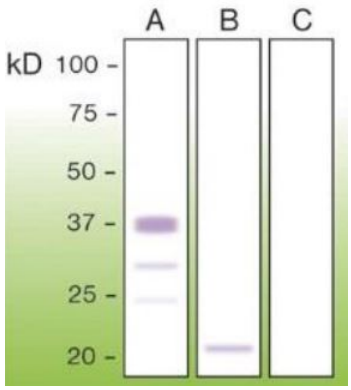
Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 10 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	10 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

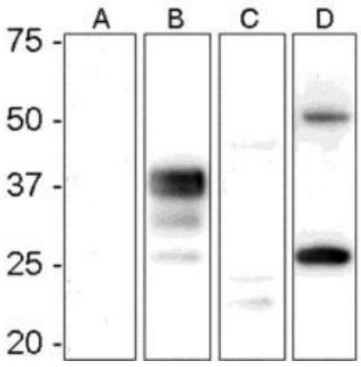
Gene Symbol	PRNP
Gene Full Name	prion protein
Background	The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene 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. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Calculated Mw	9 kDa
PTM	The glycosylation pattern (the amount of mono-, di- and non-glycosylated forms or glycoforms) seems to differ in normal and CJD prion. Isoform 2 is sumoylated with SUMO1.

Images



ARG10588 anti-CD230 / Prion protein antibody [T16-R] WB image

Western blot: 200 µg of A) Mouse brain extract, B) HEK293 cells producing recombinant Human prion protein, and C) HEK293 cells transfected with empty vector stained with ARG10588 anti-CD230 / Prion protein antibody [T16-R].



ARG10588 anti-CD230 / Prion protein antibody [T16-R] WB image

Western blot: 30 µg of A) PrP-KO CF-10 cells, B) Mouse hippocampus, C) HEK293 cells, transfected with Mouse prion protein bearing 3F4 epitope, and D) 30 ng of recombinant MoPrP stained with ARG10588 anti-CD230 / Prion protein antibody [T16-R]. Performed by Drs. Valeriy Ostapchenko and Marco Prado, Robarts Research Institute, the University of Western Ontario, London, Ontario, Canada.