

ARG45080 anti-CD230 / Prion protein Phospho (Ser43) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD230 / Prion protein Phospho (Ser43)
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD230 / Prion protein
Species	Human
Immunogen	Prion Protein (Ser-43) antibody was generated from a phospho-peptide that included amino acids surrounding Serine 43 in human prion protein. This sequence has high homology to the conserved site in rat, mouse, and bovine prion protein.
Conjugation	Un-conjugated
Alternate Names	PRNP; Prion Protein (Kanno Blood Group); AltPrP; PRP ; CD230; PRIP; Alternative Prion Protein; Major Prion Protein; Prion Protein; CD230 Antigen; PrP33-35C; PrP27-30; P27-30; ASCR; CJD; GSS; Gerstmann-Strausler-Scheinker Syndrome; Creutzfeldt-Jakob Disease; Fatal Familial Insomnia; Prion Protein (P27-30); Prion-Related Protein; ALTPRP; KURU; PrPc; PrP

Application Instructions

Application table	Application	Dilution
	WB	1:1000

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

Properties

Form	Liquid
Purification	Antigen Affinity Purified.
Buffer	PBS, 0.05% NaN ₃ , 50% Glycerol and 0.1 % BSA.
Stabilizer	50% Glycerol and 0.1 % 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 (Kanno Blood Group)
Background	<p>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]</p>
Function	<p>Association with GPC1 (via its heparan sulfate chains) targets PRNP to lipid rafts. Also provides Cu²⁺ or Zn²⁺ for the ascorbate-mediated GPC1 deaminase degradation of its heparan sulfate side chains. [Uniprot]</p>
Calculated Mw	28 kDa
PTM	Disulfide bond, Glycoprotein, GPI-anchor, Lipoprotein. [Uniprot]
Cellular Localization	Amyloid, Cell membrane, Golgi apparatus, Membrane. [Uniprot]