

30-2620: Anti-Human CD230 / Prion Antibody (Clone : EM-21)

Clonality :	Monoclonal
Clone Name :	EM-21
Application :	WB
Reactivity :	Human
Gene :	PRNP
Gene ID :	5621
Format :	Purified
Alternative Name :	Major prion protein, PrP, PrP27-30, PrP33-35C, ASCR, CD230, PRNP, CJD, KURU, PRIP, PRPC, prion protein
Isotype :	Mouse IgG2a
Immunogen Information :	Recombinant human prion protein

Description

CD230 / Human prion protein (PrP), also known as PRNP, is a ubiquitously expressed GPI-anchored cell surface glycoprotein associating with lipid raft components and functioning as a signaling molecule. CD230 / PrP plays a role in apoptosis in a cell context-dependent manner, is involved in proliferation of epithelial cells and in distribution of junction-associated proteins in human enterocytes. Conversion of this normal cellular prion protein (PrP^c) into an abnormal conformer (PrP^{Sc}) is the crucial step associated with triggering the pathogenesis of the prion neurodegenerative disorders, such as the Creutzfeldt-Jakob disease (CJD). Whereas PrP^c is rich in alpha-helices, the PrP^{Sc} form has higher content of beta-sheets and is resistant to proteinase K.

Specificity : The mouse monoclonal antibody EM-21 recognizes human prion protein (PrP). Diglycosylated form of PrP has ~ 40 kDa, monoglycosylated form ~ 30 kDa, and nonglycosylated form ~ 19-21 kDa.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.