9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-1417: Anti-CD230 / Human Prion Protein (PrP) Monoclonal Antibody (Clone:EM-20)

Clonality :	Monoclonal
Clone Name :	EM-20
Application :	WB
Reactivity :	Human
Gene :	PRNP
Gene ID :	5621
Uniprot ID :	P04156
Format :	Purified
Alternative Name :	PRNP,ALTPRP,PRIP,PRP
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 (PrPc) into an abnormal conformer (PrPSc) is the crucial step associated with triggering the pathogenesis of the prion neurodegenerative disorders, such as the Creutzfeld-Jakob disease (CJD). Whereas PrPc is rich in alpha-helices, the PrPSc form has higher content of beta-sheets and is resistant to proteinase K.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Western Blotting *Recommended dilution:* 0.5 µg/ml

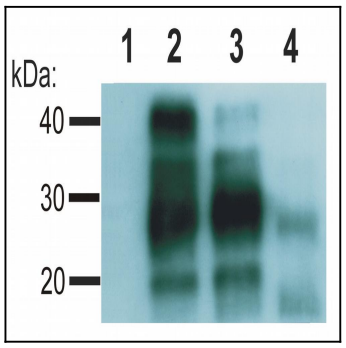


Figure 1: Western blotting analysis of Creutzfeld-Jakob disease (CJD) negative (. Lane 2) and CJD positive (. Lane 3, 4) human brain material using anti-PrP antibody (clone EM-20). CJD positive patient has proteinase K resistent prion protein. Lane 4: Samples with proteinase K treatment . Lane 2, 3: Samples without proteinase K treatment

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