

Product datasheet for **AM26026PU-N**

Prion protein PrP (PRNP) Mouse Monoclonal Antibody [Clone ID: EM-20]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EM-20
Applications:	IHC, WB
Recommended Dilution:	Western blot: 0.5 µg/ml (Non-reducing conditions are essential). This clone has been described to work in Immunohistochemistry on Paraffin Sections (10 µg/ml).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human prion protein
Specificity:	The Mouse monoclonal antibody EM-20 recognizes Human prion protein (PrP). Diglycosylated form of PrP has ~40 kDa, monoglycosylated form ~30 kDa, and nonglycosylated form ~19-21 kDa. This antibody is suitable for discrimination between normal cellular prion protein (PrP _c) and its conformationally changed form (PrP _{Sc}) prion protein.
Formulation:	PBS, pH~7.4 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	prion protein



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Database Link: [Entrez Gene 5621 Human F7VIQ1](#)

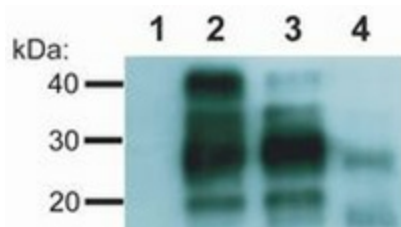
Background: The mouse monoclonal antibody EM-20 recognizes human prion protein (PrP). Diglycosylated form of PrP has ~ 40 kDa, monoglycosylated form ~ 30 kDa, and nonglycosylated form ~ 19-21 kDa. This antibody is suitable for discrimination between normal cellular prion protein (PrP^c) and its conformationally changed form (PrP^{Sc}) prion protein.

Synonyms: Major prion protein, PrP27-30, PrP33-35C, ASCR, PRNP, PRIP

Protein Families: ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane

Protein Pathways: Prion diseases

Product images:



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