Anti-PRNP monoclonal antibody, clone 2F6/H7 (DCABH-8470)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Prion protein PrP
Antigen Description	The function of PrP is still under debate. May play a role in neuronal development and synaptic plasticity. May be required for neuronal myelin sheath maintenance. May play a role in iron uptake and iron homeostasis (By similarity). Isoform 2 may act as a growth suppressor by arresting the cell cycle at the G0/G1 phase. Soluble oligomers are toxic to cultured neuroblastoma cells and induce apoptosis (in vitro).
Specificity	This antibody detects: Human recombinant prion protein. Bovine recombinant, native and PrPres proteinase K treated prion protein.
Immunogen	Recombinant bovine prion protein. Immunization was performed according to the protocol described by Hofmann, J. et al.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Bovine
Clone	2F6/H7
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Size	50 μg
Buffer	PBS with 0.02% sodium azide

45-1 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-624-4882 Fax: 1-631-938-8221

Email: info@creative-diagnostics.com

Preservative	0.02% Sodium Azide
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	PRNP prion protein [Bos taurus]
Official Symbol	PRNP
Synonyms	PRNP; prion protein; major prion protein; prion protein PrP; prion protein precursor PrP; major scrapie-associated fibril protein 1; prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia); PrP; MGC140197;
Entrez Gene ID	281427
Protein Refseq	NP_851358
UniProt ID	F7VJQ2
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem; Prion diseases, organism-specific biosystem; Prion diseases, conserved biosystem;
Function	copper ion binding; identical protein binding; metal ion binding; microtubule binding;