



Anti-PRNP monoclonal antibody, clone 6232 (DCABH-4696)

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 is reactive with the protease resistant form of PrP.
Immunogen	Full length protein corresponding to Human Prion Protein PrP (UniProt: P04156).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Sheep, Cow
Clone	6232
Purification	This antibody purified preparations consist of >90% pure mouse monoclonal antibody which has been purified from ascites fluid or culture medium by protein A chromatography or sequential differential precipitations.
Conjugate	Unconjugated
Applications	WB, ELISA, IHC-P
Format	Liquid
Size	100 µg

Buffer	pH: 7.20; Preservative: 0.1% Sodium azide; Constituent: 99% PBS
Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	PRNP prion protein [Homo sapiens]
Official Symbol	PRNP
Synonyms	PRNP; prion protein; CJD, GSS, prion protein (p27 30) , PRIP; major prion protein; CD230; Creutzfeldt Jakob disease; fatal familial insomnia; Gerstmann Strausler Scheinker syndrome; p27 30; PRP; CD230 antigen; prion-related protein; CJD; GSS; PrP; ASCR;
Entrez Gene ID	5621
Protein Refseq	NP_000302
UniProt ID	P04156
Chromosome Location	20p13
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Glypican 1 network, 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	ATP-dependent protein binding; chaperone binding; copper ion binding; copper ion binding; identical protein binding; metal ion binding; microtubule binding; protein binding; tubulin binding;