



Human PRNP blocking peptide (CDBP2383)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Prion Protein (143-153) antibody
Antigen Description	The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [PRNP prion protein \[Homo sapiens \(human\) \]](#)

Official Symbol	PRNP
Synonyms	PRNP; prion protein; CJD; GSS; PrP; ASCR; KURU; PRIP; PrPc; CD230; AltPrP; p27-30; PrP27-30; PrP33-35C; major prion protein; CD230 antigen; prion-related protein;
Entrez Gene ID	5621
mRNA Refseq	NM_000311.3
Protein Refseq	NP_000302.1
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 outgrowth, 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; microtubule binding; protein binding; tubulin binding;