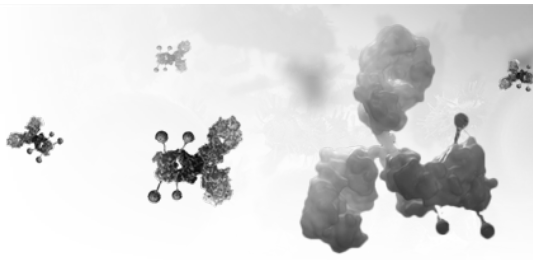

Anti-PRNP monoclonal antibody, clone 5121 (CABT-51048MS)

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

PRODUCT INFORMATION

Product Overview	Transmissible spongiform encephalopathies (TSEs) or prion diseases are fatal infectious neurodegenerative diseases of humans and animals. These diseases are biologically unique, as they are believed by some to be transmitted by an infectious agent comprised only of protein, with no nucleic acid component. Clinically, these diseases present with motor disturbances and behavioural changes. The major pathological changes seen are neuronal loss, vacuolation (spongiform change), proliferation and branching of glial cells, astrocytic proliferation and accumulation of the prion protein PrPSc, which can form amyloid plaques. CD230, also known as the prion protein (PrP) exists in two alternate forms; a normal cellular form (PrPc) and a disease-associated form (PrPSc).The normal and pathological forms of the prion protein have identical amino acid sequences and differ only in their folded tertiary structure and biochemical properties. will recognise PrPc and PrPSc. After denaturation/protease treatment this antibody recognises only the disease-associated form (PrPSc).
Specificity	CD230
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Sheep, Bovine, Cat, Chimpanzee, Dog, Goat, Gorilla, Human, Mouse, Pig, Rabbit, Rhesus monkey
Clone	5121
Conjugate	Unconjugated
Applications	ELISA; IHC-P; WB
Format	Purified IgG - liquid

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Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	PRNP prion protein [Ovis aries (sheep)]
Official Symbol	PRNP
Synonyms	PRNP; Prp; SIP; PRPC; major prion protein; prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia); CD230;
Entrez Gene ID	493887
Protein Refseq	NP_001009481
UniProt ID	P23907
Chromosome Location	chromosome: 13
Pathway	Prion diseases;

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