Anti-Prion Protein [31C6] Standard Size Ab00340-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG1, Fc Silent™, Kappa
Clone Number: 31C6
Alternative Name(s) of Target: PrP; ASCR; CD-Antigen
UniProt Accession Number of Target Protein: P04156
Published Application(s): WB, ELISA, IHC
Published Species Reactivity: Human
Immunogen: Recombinant mouse scrapie-Prion protein residues 23-231 (rMoPrP23-231).
Specificity: Binds human PrP residues 143-149.
Application Notes: This is antibody recognises and binds to residues 143-149 of PrP. High Levels of PrP (Prion Protein) are found in the brain of humans and animals that are infected with transmissible spongiform encephalopathies such as Creutzfeld-Jakob disease (CJD), Gerstmann-Straussler disease in humans or bovine spongiform encephalopathy (BSE) in cattle.
Antibody First Published in: Kim et al. 2004 Antigenic characterization of an abnormal isoform of prion protein using a new diverse panel of monoclonal antibodies. Virology. 2004; 320(1):40-51 PMID:15003861
Note on publication: Describes the generation of several monoclonal antibodies against PrP by immunising PrP gene-ablated mice with the pathogenic form of PrP

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.