

Anti-Prion Protein [31C6] Standard Size Ab00340-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric human antibody was made using the variable domain sequences of the original mouse IgG1 format for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, 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 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: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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.