

Anti-Prion [3F4] Standard Size Ab00496-10.7

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 IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa

Clone Number: 3F4

Alternative Name(s) of Target: Major prion protein; p27-30; CD30 antigen; prion protein PrP; prion-related protein

UniProt Accession Number of Target Protein:

Published Application(s): IP, WB, ELISA, IHC

Published Species Reactivity: Hamster, Human

Immunogen: Hamster 263K PrPs.

Specificity:

Application Notes: The antibody binds specifically to prion, a misfolded protein that has the ability to enter healthy organisms and cause other misfolding of other proteins into their prion form. This plays an essential role in the pathogenesis of certain neurodegenerative disorders such as Creutzfeldt-Jakob disease (CJD), Gerstmann-Strausler syndrome (GSS) and bovine spongiform encephalopathy (BSE). These disorders are characterised by an accumulation of prion proteins in the brain, which have a disrupted secondary structure.

Antibody First Published in: Kascsak RJ, Rubenstein R, Merz PA, Tonna-DeMasi M, Fersko R, Carp RI, Wisniewski HM, Diringier H. Mouse polyclonal and monoclonal antibody to scrapie-associated fibril proteins. J Virol. 1987 Dec;61(12):3688-93. [PMID:2446004](#)

Note on publication: Describes the generation a species-specific monoclonal antibody directed against protease-resistant proteins (PrPs) in order to study the relationship of PrPs to their host precursor protein and to scrapie-associated fibril proteins.

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.