Prion Protein Monoclonal Antibody - Sha31
Cat No: A03213 - 200 µg

General Data

Shipping: Dry Ice
Formulation: lyophilized IgG with BSA
Host: Mouse
Antigen: This anti-prion protein (PrP) monoclonal antibody was raised against proteinase K treated and non-denatured scrapie-associated fibrils from Syrian hamster infected brain (263K).
Clone: Sha 31
Isotype: IgG1k

Application(s): Reconstitute the content of the vial in 1 mL of water.
For EIA, the optimal working dilution must be determined empirically (currently be-tween 0.1 and 1 µg/mL). For western blot analysis of PrPc, dilute the antibody to a final concentration of 1 µg/mL.

Specificity: PrPc (+), PrPsc (nda) Hamster, (+) Mouse, (nda) Bovine, (+) Ovine, (+) Human.

Product Overview

Prion Protein (PrP) and namely its abnormal isoform, partially resistant to proteinase K (PrPres), is the only specific molecular marker of the Transmissible Spongiform Encephalopathies (TSEs) such as Bovine Spongiform Encephalopathy (BSE) or its human form, the New Variant of Creutzfeld-Jakob disease.

This antibody recognises the human protein sequence within amino acids 145-152 (human numbering).

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Scientific Literature


Morel N., Simon S., Frobert Y., Volland H., Mouton-Gilles C., Negro A., Sorgato M.C., Creminon C., and Grassi J. Selective and efficient immunoprecipitation of the disease-associated form of the prion protein can be mediated by nonspecific interactions between monoclonal antibodies and scrapie-associated fibrils.


Lab Invest 87, 1103-12 (2007).


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