Product Information

Prion Protein Monoclonal Antibody - SAF 70

Cat No: A03206 - 200 Âµg

General Data

Shipping: Dry Ice

Formulation: lyophilized IgG with BSA

Host: Mouse

Antigen: This anti-Prion Protein Monoclonal Antibody was raised against a preparation of SAF (scrapie associated fibrils) from infected hamster brain.

Clone: SAF 70

Isotype: IgG2b

Application(s): Reconstitute the content of the vial in 1 mL of water.

For western blot analysis of PrPc, dilute the antibody to a final concentration of 1 µg/mL.

Specificity: PrPc
(+) Hamster, (+) Mouse, (+) 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 Encephalopathie (BSE) or its human form, the New Variant of Creutzfeld-Jakob disease.
This antibody recognises the protein sequence within amino acids 142-160 (human numbering).

Scientific Literature

Nishida N., et al. Successful Transmission of Three Mouse-Adapted Scrapie Strains to Murine Neuroblastoma Cell Lines Overrexpressing Wild-Type Mouse Prion Protein. Journal of Virology 320-325 (January 2000).

Vincent B., et al. Phorbol Ester-regulated Cleavage of Normal Prion Protein in HEK293 Human Cells and Murine Neurons. The journal of Biological Chemistry. Vol. 275, No 45, Issue of November 10, pp.35612-35616 (2000).

Demart S., et al. New Insight into Abnormal Prion Protein Using Monoclonal Antibodies.Biochemical and Biophysical Research Communications 265, 652-657 (1999).

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