



Prion Protein Monoclonal Antibody - SAF 70

Cat No: A03206 - 200 µg

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 PrP^c, dilute the antibody to a final concentration of 1 µg/mL.

Specificity: PrP^c
(+) Hamster, (+) Mouse, (+) Bovine, (+) Ovine, (+) Human.



Product Overview

Prion Protein (PrP) and namely its abnormal isoform, partially resistant to proteinase K (PrP^{Sc}), 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 Overexpressing 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).

FP/14/23

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