



Prion Protein Monoclonal Antibody - 12F10

Cat No: A03221 - 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 human recombinant protein.
Clone:	12F10
Isotype:	IgG2a



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

For immunohistochemistry, the optimal working dilution must be determined empirically (currently between 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
(+/-) 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).

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Scientific Literature

Krasemann S. et al. Generation of monoclonal antibodies against prion proteins with an unconventional nucleic acid-based immunization strategy. *Journal of Biotechnology* 73, 119-129 (1999).

Krasemann S. et al. Induction of antibodies against human prion proteins (PrP) by DNA-mediated immunization of PrP 0/0 mice. *Journal of Immunological Methods* 199, 109-118 (1996).

Krasemann S. et al. Generation of monoclonal antibody against Human prion proteins in PrP 0/0 Mice.

Molecular Medicine, 2, 725-731 (1996).

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