



Prion Protein Monoclonal Antibody - 2G11

Cat No: A03225 - 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 synthetic peptide (146-182) of the ovine PrP peptide.
Clone:	2G11
Isotype:	IgG2a



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

IHC for sheep PrPres without PK treatment

For immunohistochemistry, the optimal working dilution must be determined empirically (currently between 0.1 and 1 µg/mL). Mab 2G11 binds to the partially denatured or oxidized normal prion protein in vitro and as such is an indicator (by lack of signal) of preservation of the native state.

Specificity: PrPres
(+) Caprine, (+) Ovine, (+/-) Bovine, (+/-) Mouse, (+) Bovine Linked with 12F10, (-) Human, (-) Hamster.

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 149-161 peptide motif on the ovine sequence that is ED_{RRYYREN}MYRYP.

Scientific Literature

Andreoletti O., Berthon P., Marc D., Sarradin P., Grosclaude J., Van Keulen L., Schelcher F., Elsen J-M., and Lantier F. (2000). Early accumulation of PrP^{Sc} in gut-associated lymphoid and nervous tissues of susceptible sheep from a Romanov flock with natural scrapie J.Gen Virol, 81, 3115-3126

FP/14/23

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