**General Data**

**Shipping:**  Dry Ice  
**Stability:**  Store at -20degrees;shelf life 2 years maximum after production  
**Formulation:**  Ascitic liquid lyophilized 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  
**Label:**  Labelling upon request  

**Application(s):**  Reconstitute the content of the vial in 1 mL of water.  
For EIA, 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 (+), 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).

**Scientific Literature**


Morel N., Simon S., Frobert Y., Volland H., Mourtou-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

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mediated by nonspecific interactions between monoclonal antibodies and scrapie-associated fibrils.


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