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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-PrPSc [6H10] Bulk Size Ab01143-2.0-BT

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: 6H10

Alternative Name(s) of Target: Prion; prion protein; PrP; CD230; PRNP; PRP; SIP

UniProt Accession Number of Target Protein: P23907

Published Application(s): IP, neutralising, ELISA

Published Species Reactivity: Cow, Sheep, Mouse

Immunogen: This antibody was raised by immunising PrP-ablated (Prnp^{-/-}) mice with PrPSc purified from the brains of mice infected with the Obihiro prion strain.

Specificity: This antibody is specific for PrPSc, and binds to a conformational epitope that includes the extreme C-terminus of PrP. It does not react with recombinant mouse PrP or denatured PrPSc.

Application Notes: The binding specificity of this antibody for PrPSc has been confirmed in ELISA analysis; this antibody reacts with non-denatured PrPSc, but not with recombinant mouse PrP or denatured PrPSc treated with more than 3 M GdnHCl (Horiuchi et al, 2009). This antibody has been shown to immunoprecipitate PrPSc from the brains of mice, sheep, and cattle infected with prions (Horiuchi et al, 2009). Pretreatment of purified PrPSc with this antibody results in a 1 log reduction in infectious titre (Horiuchi et al, 2009). This antibody has also been used to identify C-terminal conformational differences between prion strains (Saijo et al, 2016). As this antibody recognises a conformational epitope on PrPSc, it does not react with PrPSc in immunoblot analysis (Horiuchi et al, 2009).

Antibody First Published in: Horiuchi et al. Generation of monoclonal antibody that distinguishes PrPSc from PrPC and neutralizes prion infectivity *Virology*; Volume 394, Issue 2, 25 November 2009, Pages 200-207 [PMID:19766283](#)

Note on publication: Describes the original generation of this antibody, and its characterisation.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.