Datasheet for ABIN7072335

Recombinant anti-PRNP antibody

2 Images

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Overview

Quantity:	200 µg
Target:	PRNP
Reactivity:	Human, Hamster
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This PRNP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Hamster 263K PrPs.
Clone:	3F4
Isotype:	IgG1 kappa
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG2a
Purification:	Purified antibody.

Target Details

Target:	PRNP
Alternative Name:	Prion (PRNP Products)

Target Details

Background:	Major prion protein, p27-30, CD30 antigen, prion protein PrP, prion-related protein
Pathways:	Transition Metal Ion Homeostasis, Activated T Cell Proliferation

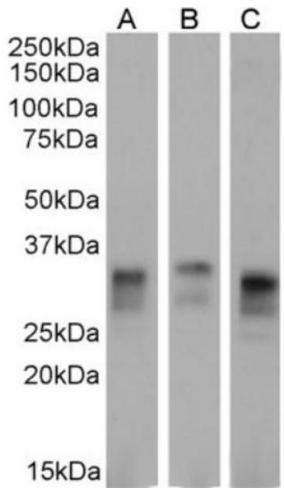
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

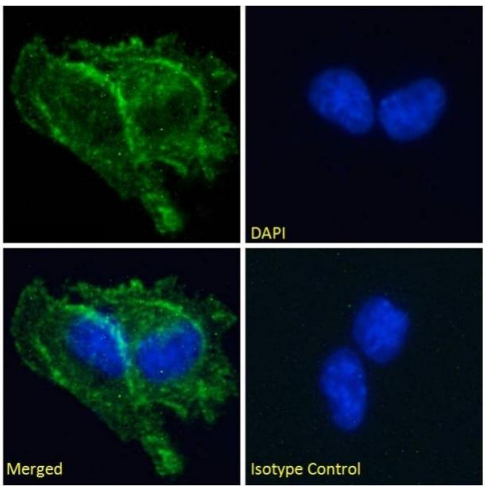
Images



Western Blotting

Image 1. Western Blot using anti-major Prion protein antibody 3F4. Human brain cerebral cortex (A), cerebellum (B), and hippocampus (C) lysate samples (35 µg protein in RIPA buffer) were resolved on a 10 % SDS PAGE gel and blots probed with the chimeric mouse IgG1 version of 3F4 (ABIN7072335). Cerebral cortex and hippocampus samples were probed using 0.001 µg/mL of ABIN7072335, and cerebellum samples with 0.003 µg/mL of ABIN7072335, before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The predicted running size

for unmodified major Prion protein is 27.7 kDa though this protein has several glycosylated forms, may be lipidated, sumoylated and post-translationally cleaved to produce the matrue form of the protein [Uniprot]. ABIN7072335 successfully detected major Prion protein in human brain cerebral cortex, cerebellum, and hippocampus lysates.



Immunofluorescence

Image 2. Immunofluorescence staining of fixed U251 cells with anti-Prion antibody 3F4. Immunofluorescence analysis of paraformaldehyde fixed U251 cells on Shi-fix™ coverslips, permeabilized with 0.15 % Triton and stained with the chimeric mouse IgG1 version of 3F4 (ABIN7072335) at 10 µg/mL for 1h followed by Alexa Fluor®488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072335, DAPI, merged channels and an isotype control. The isotype control was stained with an unknown specificity antibody (ABIN5668079) followed by Alexa Fluor®488 secondary antibody.