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Datasheet for ABIN3044180  
**anti-PRNP antibody (Middle Region)**

2 Images

Overview

Quantity:	100 µg
Target:	PRNP
Binding Specificity:	AA 143-159, Middle Region
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRNP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Major prion protein(PRNP) detection. Tested with WB, IHC-P in Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of mouse PRNP(143-159aa DWEDRYRENMYRYPNQ), identical to the related rat sequence.
Sequence:	DWEDRYREN MYRYPNQ
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Major prion protein(PRNP) detection. Tested with WB, IHC-P

## Product Details

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in Mouse,Rat.

Gene Name: prion protein

Protein Name: Major prion protein(PrP)

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Purification: Immunogen affinity purified.

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## Target Details

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Target: PRNP

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Alternative Name: PRNP ([PRNP Products](#))

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Background: PRNP(prion protein), also known as CD230 and PRP, is a protein that in humans is encoded by the PRNP gene. The major prion protein is expressed in the brain and several other tissues. Expression is most predominant in the nervous system but occurs in many other tissues throughout the body. Puckett et al.(1991)identified a RFLP with a high degree of heterozygosity in the 5-prime region of the PRNP gene, which might serve as a useful marker for the pter-p12 region of chromosome 20. PRNP is associated with a variety of cognitive deficiencies and neurodegenerative diseases such as Creutzfeldt-Jakob disease, bovine spongiform encephalopathy, and kuru. PRNP is highly conserved through mammals, lending credence to application of conclusions from test animals such as mice. Comparison between primates is especially similar, ranging from 92.9-99.6 % similarity in amino acid sequences.

Synonyms: Alternative prion protein, major prion protein antibody|AltPrP antibody|ASCR antibody|atal familial insomnia antibody|CD230 antibody|CD230 antigen antibody|CJD antibody|Creutzfeld Jakob disease antibody|Creutzfeld Jakob Disease Gerstmann Strausler Scheinker Syndrome Fatal Familial Insomnia antibody|Gerstmann-Strausler-Scheinker syndrome antibody|GSS antibody|KURU antibody|Major prion protein antibody|MGC26679 antibody|p27 30 antibody|PRIO\_HUMAN antibody|Prion protein antibody|Prion related protein antibody|PRIP antibody|Prni antibody|Prnp antibody|PrP 27-30 antibody|PrP antibody|PrP27 30 antibody|PrP27-30 antibody|PrP33 35C antibody|PrP33-35C antibody|PrPC antibody|PrPSc antibody|Sinc antibody

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UniProt: [P04925](#)

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Pathways: [Transition Metal Ion Homeostasis, Activated T Cell Proliferation](#)

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## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Mouse

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## Application Details

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IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Optimal dilutions should be determined by end users.

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Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

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Concentration: 500 µg/mL

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Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

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Preservative: Thimerosal (Merthiolate), Sodium azide

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Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

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Handling Advice: Avoid repeated freezing and thawing.

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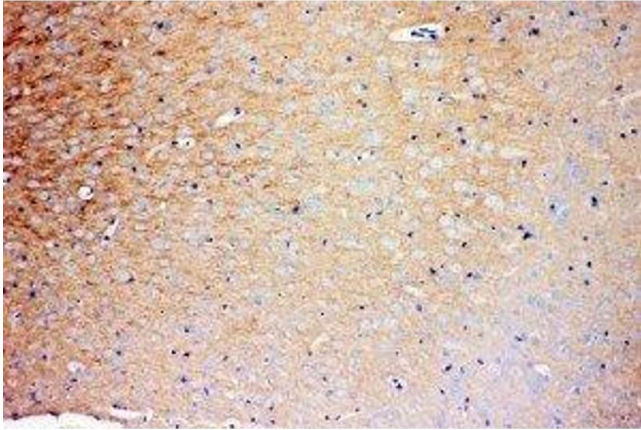
Storage: 4 °C/-20 °C

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Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

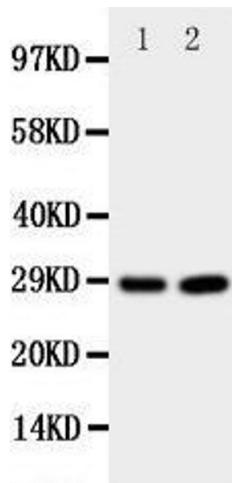
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Expiry Date: 12 months



### Immunohistochemistry

**Image 1.** Anti-Prion protein PrP antibody, IHC(P) IHC(P): Rat Brain Tissue



### Western Blotting

**Image 2.**