

Datasheet for ABIN4952280  
**anti-PRNP antibody (AA 143-230)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	100 µg
Target:	PRNP
Binding Specificity:	AA 143-230
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRNP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 143-230 of human PRNP were used as the immunogen for the PrP antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	PRNP
Alternative Name:	Prion protein Antibody (PrP) ( <a href="#">PRNP Products</a> )
Background:	PRNP (prion protein), also known as CD230 or 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

## Target Details

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.

UniProt: [P04156](#)

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

## Application Details

Application Notes: Optimal dilution of the PrP antibody should be determined by the researcher.\. Western blot: 0.1-0.5 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

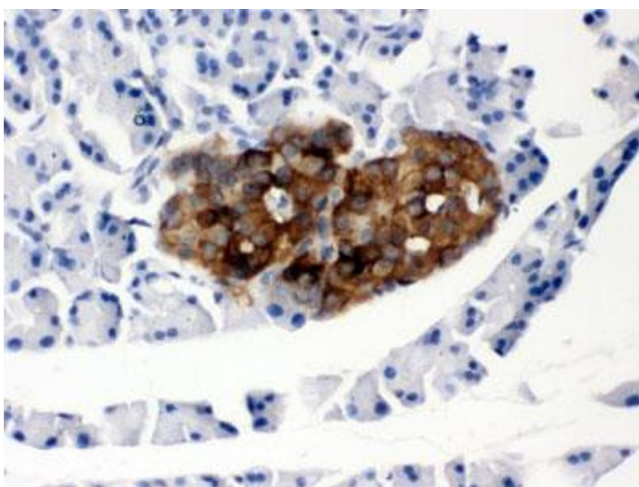
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

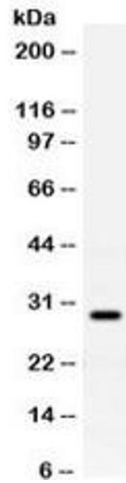
Storage Comment: After reconstitution, the PrP antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Immunohistochemistry

**Image 1.** IHC testing of FFPE rat pancreas with PrP antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



### Western Blotting

**Image 2.** Western blot testing of rat brain lysate with PrP antibody. Expected molecular weight: 20-29 kDa.