

PRNP Polyclonal Antibody | anti-PRNP antibody

Anti-PRNP Antibody

CATALOG # AAA46344	REACTIVITY Mouse, Rat Predicted to work with: Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PRNP; Polyclonal Antibody; Anti-PRNP Antibody; Major prion protein; Alternative prion protein; major prion protein; AltPrP; ASCR; atal familial insomnia; CD230; CD230 antigen; CJD; Creutzfeld Jakob disease; Creutzfeld Jakob Disease Gerstmann Strausler Scheinker Syndrome Fatal Familial Insomnia; Gerstmann-Strausler-Scheinker syndrome; GSS; KURU; MGC26679; p27 30; PRIO_HUMAN; Prion protein; Prion related protein; PRIP; Prni; Prnp; PrP 27-30; PrP; PrP27 30; PrP27-30; PrP33 35C; PrP33-35C; PrPC; PrPSc; Sinc antibody; prion protein; anti-PRNP antibody

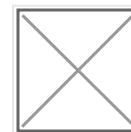
PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat Predicted to work with: Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	253
Applicable Applications for anti-PRNP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PRNP recombinant protein (Position: S143-S230).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

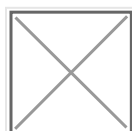
IMAGES


IHC (Immunohistochemistry)

Anti- PRNP Picoband antibody, AAA46344, IHC(P) IHC(P): Rat Pancreas Tissue


IHC (Immunohistochemistry)

Anti- PRNP Picoband antibody, AAA46344, IHC(P) IHC(P): Mouse Pancreas Tissue


WB (Western Blot)

Anti- PRNP Picoband antibody, AAA46344, Western blotting All lanes: Anti PRNP (AAA46344) at 0.5ug/ml WB: Rat Brain Tissue Lysate at 50ug Predicted bind size: 30KD Observed bind size: 30KD

ADDITIONAL INFORMATION

Related Product Information for anti-PRNP antibody	Description: Rabbit IgG polyclonal antibody for Major prion protein(PRNP) detection. Tested with WB, IHC-P in Human;Mouse;Rat. 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 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.
References	1. Bounhar, Y., Zhang, Y., Goodyer, C. G., LeBlanc, A.Prion protein protects human neurons against Bax-mediated apoptosis.J. Biol. Chem. 276: 39145-39149, 2001. 2. Brown, P., Galvez, S., Goldfarb, L. G., Nieto, A., Cartier, L., Gibbs, C. J., Jr., Gajdusek, D. C.Familial Creutzfeldt-Jakob disease in Chile is associated with the codon 200 mutation of the PRNP amyloid precursor gene on chromosome 20.J. Neurol. Sci. 112: 65-67, 1992. 3. Puckett, C., Concannon, P., Casey, C., Hood, L.Genomic structure of the human prion protein gene.Am. J. Hum. Genet. 49: 320-329, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506113
NCBI GeneID	5621
NCBI Accession #	NP_000302.1
NCBI GenBank Nucleotide #	NM_000311.3
UniProt Accession #	P04156; O60489; P78446; Q15216; Q15221; Q27H91; Q5QPB4; Q8TBG0; Q96E70; Q9UP19; F7VJQ1
Molecular Weight	8,691 Da
NCBI Official Full Name	major prion protein preproprotein
NCBI Official Synonym Full Names	prion protein
NCBI Official Symbol	PRNP
NCBI Official Synonym Symbols	CJD; GSS; PrP; ASCR; KURU; PRIP; PrPc; CD230; AltPrP; p27-30; PrP27-30; PrP33-35C
NCBI Protein Information	alternative prion protein; major prion protein
UniProt Protein Name	Major prion protein
UniProt Gene Name	PRNP
UniProt Synonym Gene Names	ALTPRP; PRIP; PRP; PrP
UniProt Entry Name	PRIO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prnp-antibody-immunohistochemistry-western-blot-elisa/46344>