BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Prion protein PrP/PRNP Antibody Picoband®

Catalog Number: PA1795

About Prnp

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.

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Overview

Product Name	Anti-Prion protein PrP/PRNP Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Prion protein PrP/PRNP Antibody catalog # PA1795. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04925

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antibody and ELISA experts

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse PRNP, identical to the related rat sequence.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Rat, Mouse Western blot, 0.1-0.5ug/ml, Rat, Mouse

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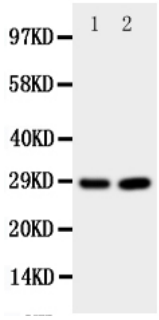
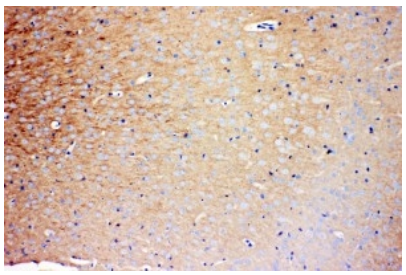
Anti-Prion protein PrP/PRNP Antibody Picoband® (PA1795) Images



Anti-PRNP antibody, PA1795, Western blottingAll lanes: Anti PRNP (PA1795) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Rat Brain Tissue Lysate at 50ug Predicted bind size: 28KD Observed bind size: 28KD



Anti-PRNP antibody, PA1795, IHC(P)IHC(P): Rat Brain Tissue

1 Publications Citing This Product

1. PubMed ID: 10.1096/fj.201601042RR, Pseudomonas aeruginosa infection liberates transmissible, cytotoxic prion amyloids

Visit bosterbio.com/anti-prnp-antibody-pa1795-boster.html to see all 1 publications.

Anti-Prion protein PrP/PRNP Antibody

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