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Datasheet for ABIN3043910

anti-PRNP antibody (AA 143-230)



Images



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Quantity:	100 μg	
Target:	PRNP	
Binding Specificity:	AA 143-230	
Reactivity:	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		
Purpose:	Rabbit IgG polyclonal antibody for Major prion protein(PRNP) detection. Tested with WB, IHC-P in Human, Mouse, Rat.	
Immunogen:	E.coli-derived human PRNP recombinant protein (Position: S143-S230).	
Isotype:	IgG	
Cross-Reactivity (Details):	Predicted Cross Reactivity: human 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 in Human,Mouse,Rat. Gene Name: prion protein	

	Protein Name: Major prion protein	
Purification:	Immunogen affinity purified.	
Target Details		
Target:	PRNP	
Alternative Name:	PRNP (PRNP Products)	
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.	
	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	

Application	Details

P04156

UniProt:

Pathways:

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

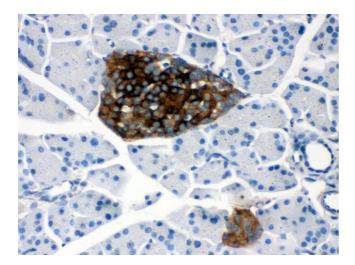
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human,

Transition Metal Ion Homeostasis, Activated T Cell Proliferation

Application Details

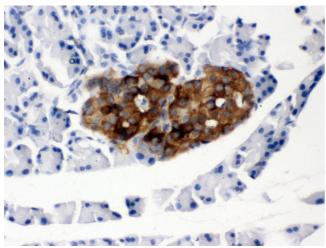
Application Details	
	Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
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.



Immunohistochemistry

Image 1. Anti- PRNP Picoband antibody,IHC(P) IHC(P): Mouse Pancreas Tissue



Immunohistochemistry

Image 2. Anti- PRNP Picoband antibody,IHC(P) IHC(P): Rat Pancreas Tissue

130KD -

100KD-

70KD-

55KD -

35KD-

25KD-

15KD-

Western Blotting

Image 3. Observed bind size: 30KD