

Datasheet for ABIN7158932
anti-PRNP antibody (AA 23-64)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	PRNP
Binding Specificity:	AA 23-64
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRNP antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Major prion protein (23-64AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PRNP
Alternative Name:	PRNP (PRNP Products)
Background:	Background: Its primary physiological function is unclear. May play a role in neuronal development and synaptic plasticity. May be required for neuronal myelin sheath maintenance.

Target Details

May promote myelin homeostasis through acting as a agonist for ADGRG6 receptor. May play a role in iron uptake and iron homeostasis. Soluble oligomers are toxic to cultured neuroblastoma cells and induce apoptosis (in vitro) (By similarity). Association with GPC1 (via its heparan sulfate chains) targets PRNP to lipid rafts. Also provides Cu(2+) or ZN(2+) for the ascorbate-mediated GPC1 deaminase degradation of its heparan sulfate side chains (By similarity).

Aliases: Alternative prion protein, major prion protein antibody, AltPrP antibody, ASCR antibody, CD230 antibody, CD230 antigen antibody, CJD antibody, GSS antibody, KURU antibody, Major prion protein antibody, p27 30 antibody, PRIO_HUMAN antibody, Prion protein antibody, Prion related protein antibody, PRIP antibody, PRNP antibody, PrP antibody, PrP27 30 antibody, PrP27-30 antibody, PrP33-35C antibody, PrPC antibody, PrPSc antibody, Sinc antibody

UniProt: [P04156](#)

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

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

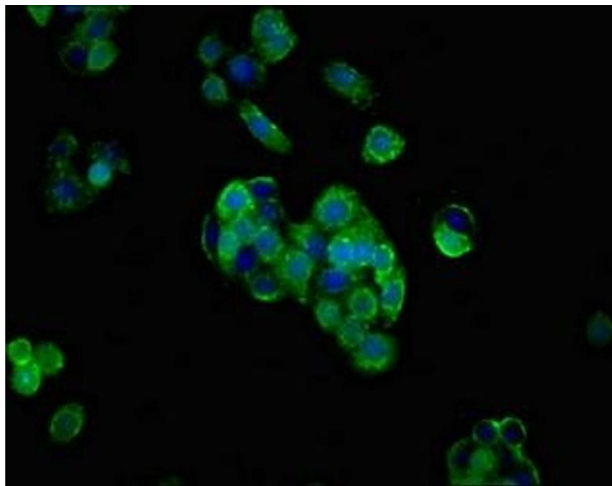
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

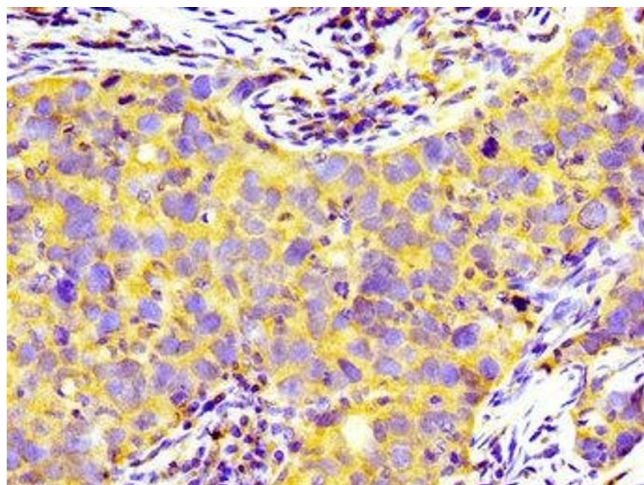
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of PC-3 cells using ABIN7158932 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human pancreatic cancer using ABIN7158932 at dilution of 1:100