

Immunotag™ PRNP Antibody

Antibody Specification	
Catalog No.	ITA7111
Product Description	Immunotag™ PRNP Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PRNP
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PRNP
Specificity	PRNP Antibody detects endogenous levels of total PRNP
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PRNP
Accession No.	P04156
Alternate Names	Alternative prion protein; major prion protein; AltPrP; ASCR; CD230; CD230 antigen; CJD; GSS; KURU; Major prion protein; p27 30; PRIO_HUMAN; Prion protein; Prion related protein; PRIP; PRNP; PrP; PrP27 30; PrP27-30; PrP33-35C; PrPC; PrPSc; Sinc;

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Description	Its primary physiological function is unclear. May play a role in neuronal development and synaptic plasticity. May be required for neuronal myelin sheath maintenance. May promote myelin homeostasis through acting as an 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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	27kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.