

Product datasheet for **TA590315**

Prion protein PrP (PRNP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the N Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.85401 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	prion protein
Database Link:	NP_898902 Entrez Gene 5621 Human F7VJQ1



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Background:

Prion diseases are transmissible neurodegenerative disorders which affect a range of mammalian species. In humans they can be inherited and sporadic as well as acquired by exposure to human prions. Prions appear to be composed principally of a conformational isomer of host-encoded prion protein and propagate by recruitment of cellular prion protein (1). The function of the cellular prion protein (PrP) is still poorly understood. It has been proposed that one unprecedented role for PrP is against Bax-mediated neuronal apoptosis. It has been shown that PrP potently inhibits Bax-induced cell death in human primary neurons (2). An impaired synaptic inhibition may be involved in the epileptiform activity seen in Creutzfeldt-Jakob and other neurodegenerative diseases and it is believed that loss of function of PrP may contribute to the early synaptic loss and neuronal degeneration seen in these diseases (3).

Synonyms:

AltPrP; ASCR; CD230; CJD; GSS; KURU; p27-30; PRIP; PrP; PrP27-30; PrP33-35C; PrPc

Note:

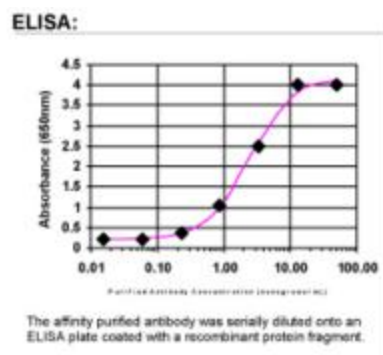
This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). [Learn about GAT](#)

Protein Families:

ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane

Protein Pathways:

Prion diseases

Product images:

ELISA: Prion protein Antibody