

Product datasheet for **TA365362S**

Prion protein PrP (PRNP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Mouse brain tissue lysate IHC: 50-200 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PRNP
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	28 kDa
Gene Name:	prion protein
Database Link:	Entrez Gene 5621 Human P04156



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Background:

The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants.

Synonyms:

AA960666; AI325101; CD230; Prn; Prn-i; Prn-p; PrP; prP27-30; prP33-35C; PrP PrPC; PrPSc; Sinc

Product images:

kDa
95—
72—
55—
36—
28—
17—
10—



Gel: 12%SDS-PAGE

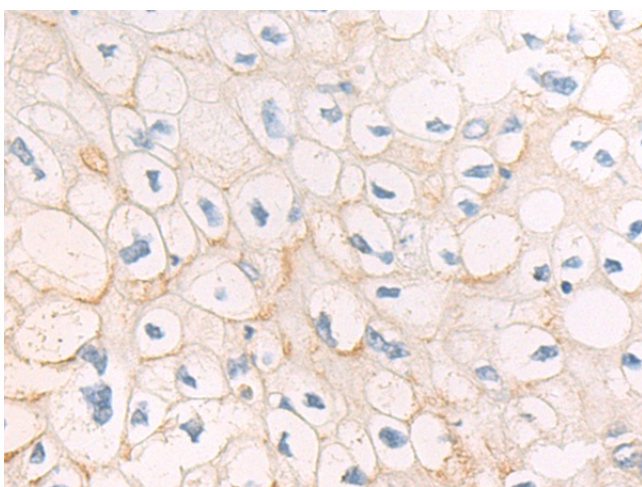
Lysate: 40 µg

Lane: Mouse brain tissue lysate

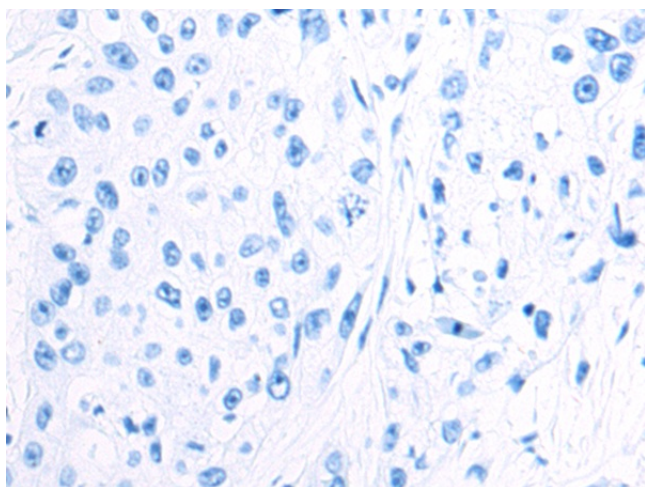
Primary antibody: [TA365362] (PRNP Antibody) at dilution 1/1200

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA365362] (PRNP Antibody) at dilution 1/80 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA365362] (PRNP Antibody) at dilution 1/80, treated with fusion protein. (Original magnification: $\times 200$)