

Prion Protein Rabbit mAb

Catalog No: #52523

Package Size: #52523-1 50ul #52523-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

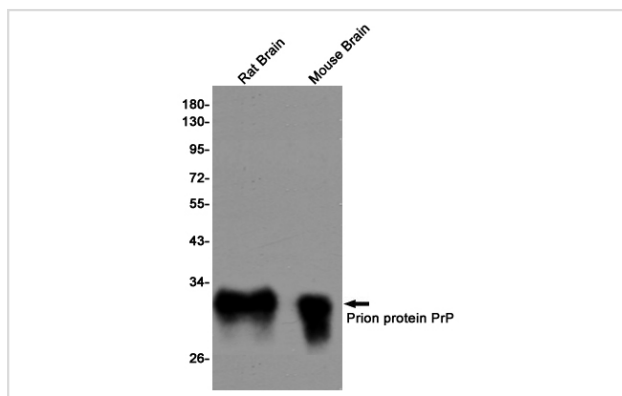
Description

Product Name	Prion Protein Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-2E2
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Prion protein PrP
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CJD; GSS; PrP; ASCR; KURU; PRIP; PrPc; CD230; AltPrP; p27-30; PrP27-30; PrP33-35C
Accession No.	Swiss-Prot:P04156GenelD:5621
Uniprot	P04156
GenelD	5621
Calculated MW	Calculated MW: 28 kDa; Observed MW: 28 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

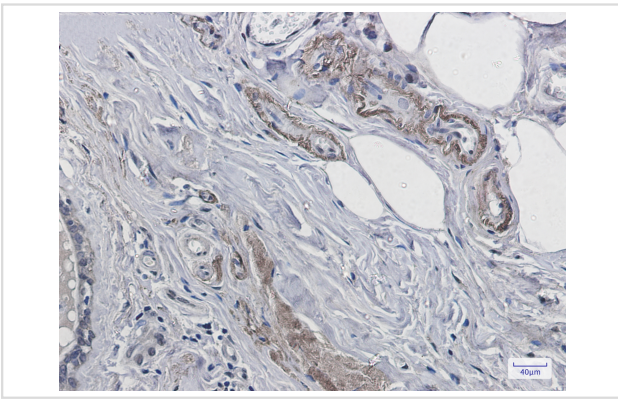
Application Details

WB: 1/1000-1/5000; IHC: 1/20;

Images



Western blot detection of Prion protein in Rat Brain and Mouse Brain lysates using Prion Protein Rabbit mAb (1:1000 diluted). Predicted band size: 28kDa. Observed band size: 28kDa.



Immunohistochemistry of Prion protein in paraffin-embedded Human breast cancer tissue using Prion Protein Rabbit mAb at dilution 1/20

Background

Swiss-Prot Acc.P04156. 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). 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.

Note: This product is for in vitro research use only