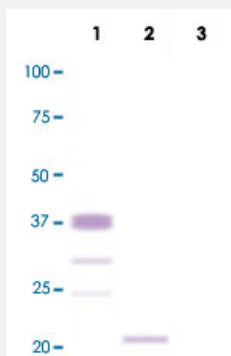


PRNP monoclonal antibody, clone T16-R

Catalog # MAB15907 Size 50 uL

Applications



Western Blot

Western Blot analysis of Lane 1: mouse brain tissue lysate, HEK293 cells transfected with Lane 2: PRNP recombinant protein and Lane 3: empty vector with PRNP monoclonal antibody, clone T16-R (Cat # MAB15907).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PRNP.
Immunogen	A synthetic peptide corresponding to amino acids 33-46 at N-terminus of human PRNP, just before the first octapeptide repeat.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	EVAC purification
Isotype	IgG
Recommend Usage	ELISA (1:10000-1:20000) Immunoprecipitation Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10 mg/mL BSA, 0.05% Sodium Azide).

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: mouse brain tissue lysate, HEK293 cells transfected with Lane 2: PRNP recombinant protein and Lane 3: empty vector with PRNP monoclonal antibody, clone T16-R (Cat # MAB15907).

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PRNP

Entrez GeneID[5621](#)**Protein Accession#**[P04156](#)**Gene Name**

PRNP

Gene Alias

ASCR, CD230, CJD, GSS, MGC26679, PRIP, PrP, PrP27-30, PrP33-35C, PrPc, prion

Gene Description

prion protein

Omim ID[123400](#) [137440](#) [176640](#) [600072](#) [603218](#) [606688](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

CD230 antigen|OTTHUMP00000030162|OTTHUMP00000030163|major prion protein|p27-30|prion protein PrP|prion-related protein

Pathway

- [Prion diseases](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Aphasia](#)
- [Asthma](#)
- [Ataxia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Creutzfeldt-Jakob Syndrome](#)
- [Deafness](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hepatolenticular Degeneration](#)
- [Hereditary Motor and Sensory Neuropathies](#)

- [Huntington disease](#)
- [Iatrogenic Disease](#)
- [Intelligence Tests](#)
- [Kuru](#)
- [Learning](#)
- [Liver Diseases](#)
- [Memory](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Multiple System Atrophy](#)
- [Muscle Rigidity](#)
- [Myoclonus](#)
- [Neoplasms](#)
- [Nervous System Diseases](#)
- [Neurodegenerative Diseases](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Pattern Recognition](#)
- [Prion Diseases](#)
- [Psychiatric Status Rating Scales](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)

- [Sclerosis](#)
- [Sleep Initiation and Maintenance Disorders](#)
- [Sleep Stages](#)
- [Wakefulness](#)
- [Wechsler Scales](#)
- [Weight Gain](#)
- [Werner syndrome](#)