Datasheet for ABIN5001461

anti-PRND antibody (AA 51-120) (Alexa Fluor 750)

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Overview

Quantity:	100 µL
Target:	PRND
Binding Specificity:	AA 51-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRND antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Doppel
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	PRND
Alternative Name:	Doppel/DPL (PRND Products)
Background:	Synonyms: DPL, Dublet, MGC41841, Prion gene complex downstream, Prion like protein doppel,

Target Details

	Prion protein 2 dublet, Prion protein 2, Prion-like protein doppel, PRND, PRND_HUMAN, PrPLP. Background: Prion diseases or transmissible spongiform encephalopathies (TSEs) are manifested as genetic, infectious or sporadic, lethal neurodegenerative disorders involving alterations of the prion protein (PrP). Infectious PrPSc is highly expressed in the brain of animals affected by TSEs, including scrapie in sheep, BSE in cattle, and Cruetzfeldt-Jacob disease in humans. The PRND gene locus, located on human chromosome 20p, encodes for the doppel protein (Dpl), which exhibits approximately 25 % sequence homology with PrP. Dpl is characterized by an alpha-helical conformation, intramolecular disulfide bonds, and two N-linked oligosaccharides, and it is presented on the cell surface by a glycosylphosphatidylinositol anchor. Dpl is highly expressed in adult testis and heart and is detectable in the brain of neonatal mice. Dpl does not appear to contribute to prion disease progression, but ectopic expression of Dpl is implicated in neuronal degeneration of ataxic PRP-deficient mice. Dpl is also thought to play a role in angiogenesis, specifically maturation of the blood-brain barrier.
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months