

For Research Use Only

PRND Polyclonal antibody

Catalog Number: 26947-1-AP

2 Publications



Basic Information

Catalog Number: 26947-1-AP	GenBank Accession Number: BC043644	Purification Method: Antigen affinity purification
Concentration: 350 µg/ml	GeneID (NCBI): 23627	Recommended Dilutions: WB: 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q9UKY0	IHC: 1:50-1:500
Isotype: IgG	Full Name: prion protein 2 (dublet)	IF-P: 1:50-1:500
Immunogen Catalog Number: AG25523	Calculated MW: 176 aa, 20 kDa	
	Observed MW: 17-20, 30 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: IF	WB : Glucosidase treated mouse testis tissue, mouse testis tissue, rat testis tissue
Species Specificity: human, mouse, Rat	IHC : mouse testis tissue,
Cited Species: mouse, pig	IF-P : mouse testis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The prion gene family is mainly composed of three genes; PRNP, encoding the prion protein (PrP), PRND, encoding Doppel (Dpl), both located on the same genomic locus on mouse chromosome 2 and SPRN, encoding Shadoo (Sho), located on mouse chromosome 7. PRND (prion protein 2 also called Doppel) is a membranous N-glycosylated, glycosylphosphatidylinositol-anchored protein that is found predominantly in testis. PRND gene is found on chromosome 20, approximately 20 kbp downstream of the gene encoding cellular prion protein, to which it is biochemically and structurally similar. 26947-1-AP antibody detects a 30 kDa glycosylated protein and a 17-20 kDa protein treated by glucosidase.

Notable Publications

Author	Pubmed ID	Journal	Application
Lingkai Zhang	35436608	J Genet Genomics	IF
Gina E Merges	37800308	Development	

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

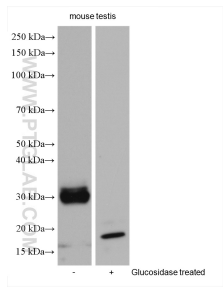
T: 4006900926

E: Proteintech-CN@ptglab.com

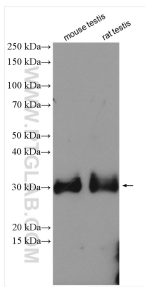
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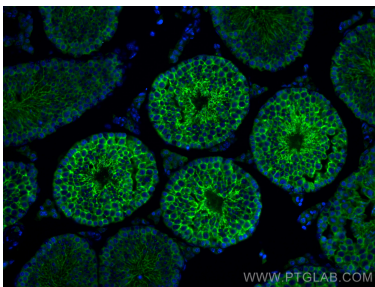
Selected Validation Data



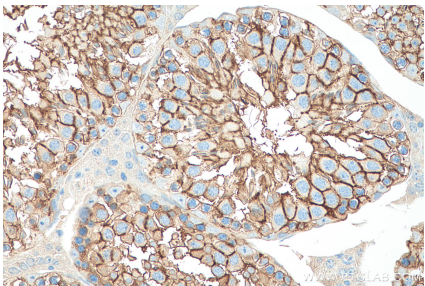
Non-treated mouse testis and glucosidase treated mouse testis tissue were subjected to SDS PAGE followed by western blot with 26947-1-AP (PRND antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 26947-1-AP (PRND antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PRND antibody (26947-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 26947-1-AP (PRND antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).