

For Research Use Only

PRND Polyclonal antibody

Catalog Number: 26947-1-AP **1 Publications**



Basic Information

Catalog Number: 26947-1-AP	GenBank Accession Number: BC043644	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 23627	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: prion protein 2 (dublet)	
Isotype: IgG	Calculated MW: 176 aa, 20 kDa	
Immunogen Catalog Number: AG25523	Observed MW: 17-20, 30 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, Rat

Cited Species:

pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Glucosidase treated mouse testis tissue, mouse testis tissue, rat testis tissue

IHC : mouse testis tissue,

IF : mouse testis tissue,

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

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

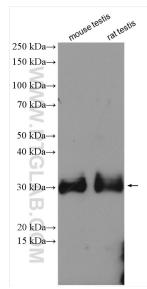
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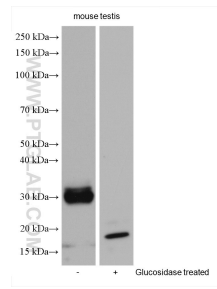
E: proteintech@ptglab.com
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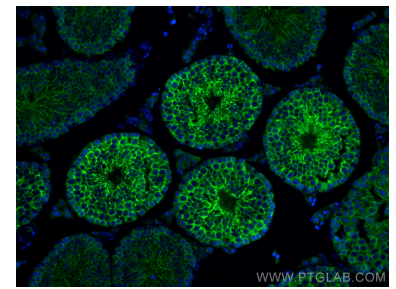
Selected Validation Data



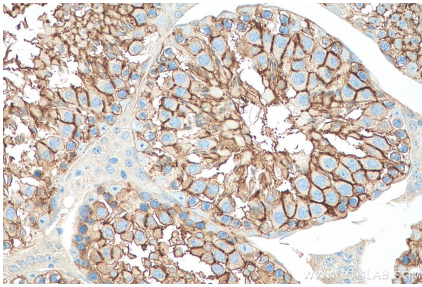
Various lysates were subjected to SDS PAGE followed by western blot with 26947-1-AP (PRND antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PRND antibody (26947-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure 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).