

For Research Use Only

PRSS21 Polyclonal antibody

Catalog Number:32522-1-AP



Basic Information

Catalog Number:

32522-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38156

GenBank Accession Number:

BC074999

GeneID (NCBI):

10942

UNIPROT ID:

Q9Y6M0

Full Name:

protease, serine, 21 (testisin)

Calculated MW:

314 aa, 35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:200-1:800

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Species Specificity:

human, mouse

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 : mouse testis tissue,

IHC : mouse testis tissue,

FC (Intra) : A431 cells,

Background Information

PRSS21 (Serine Protease 21), a trypsin family member, may be active on peptide linkages involving the carboxyl group of lysine or arginine. In terms of disease association, PRSS21 is implicated in various cancers, such as gastric cancer, testicular cancer, and ovarian cancer.

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:

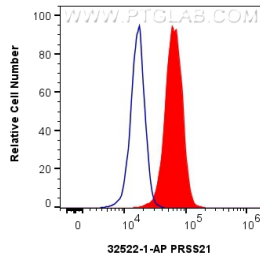
T: 4006900926

E: Proteintech-CN@ptglab.com

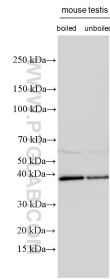
W: ptgcn.com

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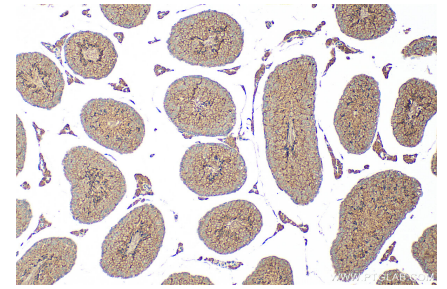
Selected Validation Data



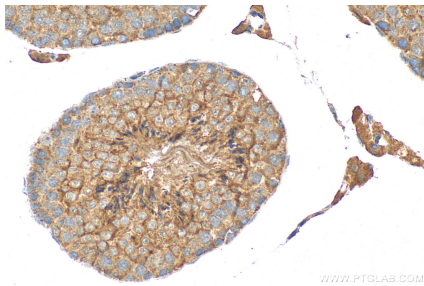
1x10⁶ A431 cells were intracellularly stained with 0.25 ug Prss21 Polyclonal Antibody (32522-1-AP) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug rabbit IgG isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Mouse testis lysates were subjected to SDS PAGE followed by western blot with 32522-1-AP (PRSS21 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 32522-1-AP (PRSS21 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 32522-1-AP (PRSS21 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).