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PRSS21 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11645c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y6M0
Other Accession	NP_659206.1, NP_006790.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31143
Calculated MW	34884
Antigen Region	165-193

Additional Information

Gene ID	10942
Other Names	Testisin, 3421-, Eosinophil serine protease 1, ESP-1, Serine protease 21, PRSS21, ESP1, TEST1
Target/Specificity	This PRSS21 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-193 amino acids from the Central region of human PRSS21.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRSS21 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PRSS21
Synonyms	ESP1, TEST1
Function	Could regulate proteolytic events associated with testicular germ cell

maturation.

Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor
Tissue Location	Expressed predominantly in premeiotic testicular germ cells, mostly late pachytene and diplotene spermatocytes

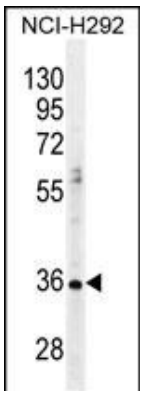
Background

This gene encodes a cell-surface anchored serine protease, which is a member of the trypsin family of serine proteases. It is predicted to be active on peptide linkages involving the carboxyl group of lysine or arginine. The protein localizes to the cytoplasm and the plasma membrane of premeiotic testicular germ cells and it may be involved in progression of testicular tumors of germ cell origin. Alternative splicing of this gene results in three transcript variants encoding three different isoforms. [provided by RefSeq].

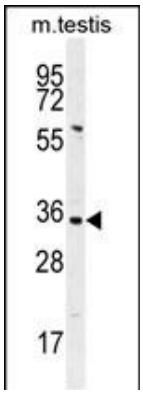
References

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Kempkensteffen, C., et al. J. Cancer Res. Clin. Oncol. 132(12):765-770(2006)
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Images



PRSS21 Antibody (Center) (Cat. #AP11645c) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the PRSS21 antibody detected the PRSS21 protein (arrow).



PRSS21 Antibody (Center) (Cat. #AP11645c) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the PRSS21 antibody detected the PRSS21 protein (arrow).

PRSS21 Antibody (Center) (Cat. #AP11645c)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the



use of PRSS21 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- A+-helix of protein C inhibitor (PCI) is a cell-penetrating peptide that mediates cell membrane permeation of PCI.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.