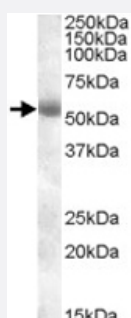


TMPRSS2 polyclonal antibody

Catalog # PAB11593 Size 100 ug

Applications



Western Blot (Tissue lysate)

TMPRSS2 polyclonal antibody (Cat # PAB11593) (0.1 ug/mL) staining of human pancreas Lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of TMPRSS2.

Immunogen A synthetic peptide corresponding to human TMPRSS2.

Sequence C-TDWIYRQMRADG

Host Goat

Theoretical MW (kDa) 53.9

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:8000)
 Western Blot (0.1-0.3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

TMPRSS2 polyclonal antibody (Cat # PAB11593) (0.1 ug/mL) staining of human pancreas Lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TMPRSS2

Entrez GeneID	7113
Protein Accession#	NP_005647.2
Gene Name	TMPRSS2
Gene Alias	FLJ41954, PP9284, PRSS10
Gene Description	transmembrane protease, serine 2
Omim ID	602060
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. This gene was demonstrated to be up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
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Other Designations	epitheliasin
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Publication Reference

- [Distinct classes of chromosomal rearrangements create oncogenic ETS gene fusions in prostate cancer.](#)

Tomlins SA, Laxman B, Dhanasekaran SM, Helgeson BE, Cao X, Morris DS, Menon A, Jing X, Cao Q, Han B, Yu J, Wang L, Montie JE, Rubin MA, Pienta KJ, Roulston D, Shah RB, Varambally S, Mehra R, Chinnaiyan AM.

Nature 2007 Aug; 448(7153):595.

Disease

- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)