



Human TMPRSS2 blocking peptide (CDBP3009)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TMPRSS2 antibody
Antigen Description	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, Sep 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [TMPRSS2 transmembrane protease, serine 2 \[Homo sapiens \]](#)

Official Symbol	TMPRSS2
Synonyms	TMPRSS2; transmembrane protease, serine 2; transmembrane protease serine 2; PRSS10; epitheliasin; serine protease 10; PP9284; FLJ41954;
Entrez Gene ID	7113
mRNA Refseq	NM_001135099
Protein Refseq	NP_001128571
UniProt ID	O15393
Chromosome Location	21q22.3
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Regulation of Androgen receptor activity, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	peptidase activity; scavenger receptor activity; serine-type endopeptidase activity; serine-type peptidase activity;