

Product Name: Tmprss2 (6M19) Rabbit Monoclonal Antibody
Catalog #: AMRe19071



Summary

Production Name	Tmprss2 (6M19) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	Tmprss2
Alternative Names	Epitheliasin; PRSS10; Tmprss2;
Gene ID	7113.0
SwissProt ID	O15393.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	54kDa

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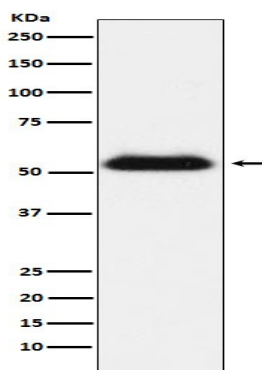


Background

Serine protease that proteolytically cleaves and activates the viral spike glycoproteins which facilitate virus-cell membrane fusions; spike proteins are synthesized and maintained in precursor intermediate folding states and proteolysis permits the refolding and energy release required to create stable virus-cell linkages and membrane coalescence. Plasma membrane-anchored serine protease that participates in proteolytic cascades of relevance for the normal physiologic function of the prostate (PubMed: [25122198](http://www.uniprot.org/citations/25122198)). Androgen-induced TMPRSS2 activates several substrates that include pro-hepatocyte growth factor/HGF, the protease activated receptor-2/F2RL1 or matriptase/ST14 leading to extracellular matrix disruption and metastasis of prostate cancer cells (PubMed: [15537383](http://www.uniprot.org/citations/15537383), PubMed: [26018085](http://www.uniprot.org/citations/26018085), PubMed: [25122198](http://www.uniprot.org/citations/25122198)). In addition, activates trigeminal neurons and contribute to both spontaneous pain and mechanical allodynia (By similarity).

Research Area

Image Data



Western blot analysis of TMPRSS2 expression in LNCaP cell lysate.

Note

For research use only.