

A9126

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## TMPRSS2 Rabbit mAb

Catalog No.: A9126

Recombinant

2 Publications

### Basic Information

#### Observed MW

52kDa

#### Calculated MW

54kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IHC-P,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC1439

### Background

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. This protein also facilitates entry of viruses into host cells by proteolytically cleaving and activating viral envelope glycoproteins. Viruses found to use this protein for cell entry include Influenza virus and the human coronaviruses HCoV-229E, MERS-CoV, SARS-CoV and SARS-CoV-2 (COVID-19 virus). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

### Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

### Immunogen Information

#### Gene ID

7113

#### Swiss Prot

O15393

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human TMPRSS2 (O15393).

#### Synonyms

PRSS10; TMPRSS2

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

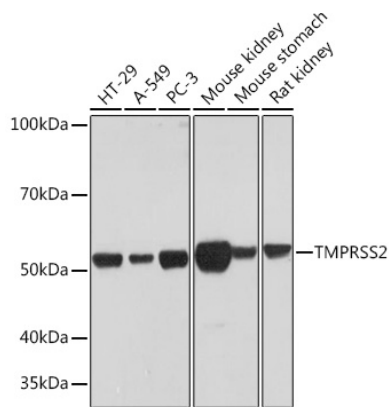
Affinity purification

#### Storage

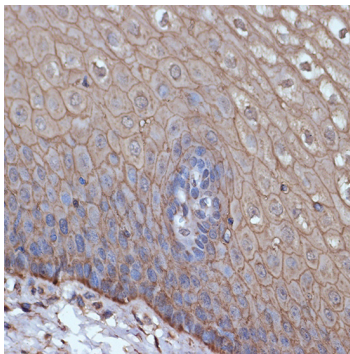
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using TMPRSS2 Rabbit mAb (A9126) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded human esophageal using TMPRSS2 Rabbit mAb (A9126) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.