## **TMPRSS2 Rabbit Polyclonal Antibody**



## **CAB1979**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

70KDa/54KDa/32KDa

**Calculated MW:** 

53kDa/57kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

**Protein 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 upregulated 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.

Immunogen information

Gene ID:

7113

Uniprot

O15393

Synonyms:

**Antibody Information** TMPRSS2; PP9284; PRSS10

**Recommended dilutions:** 

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Source:

Rabbit

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 140-400 of human TMPRSS2 (NP\_001128571.1).

Isotype:

lgG

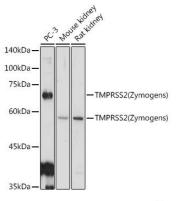
**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

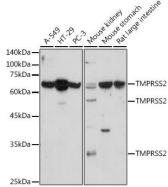
**Purification:** 

Affinity purification

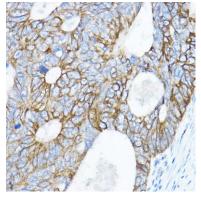
## **Product Images**



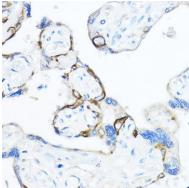
Western blot analysis of extracts of various cell lines, using TMPRSS2 antibody (CAB1979) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Western blot analysis of extracts of various cell lines, using TMPRSS2 antibody (CAB1979) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 180s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using TMPRSS2 Rabbit pAb (CAB1979) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using TMPRSS2 Rabbit pAb (CAB1979) at dilution of 1:50 (40x lens).