

## TMPRSS2

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 54kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human TMPRSS2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

PP9284; PRSS10;

**Catalog #:** A1979

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 7113

**Isotype:** IgG

**Swiss Prot:** O15393

**Purity:** Affinity purification

For research use only.

**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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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