

TMPRSS2 polyclonal antibody

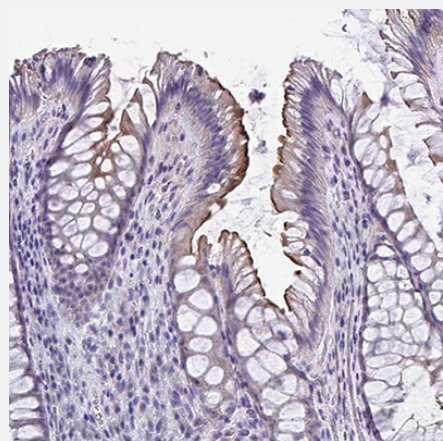
Catalog # PAB31839 Size 100 uL

Applications



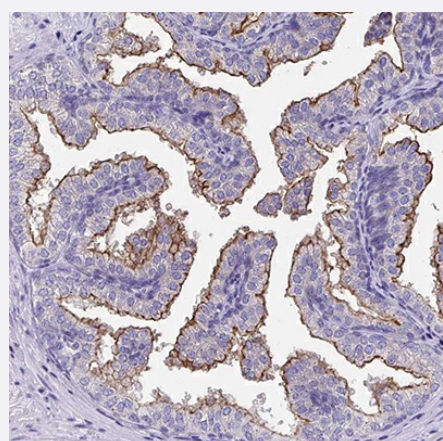
Western Blot (Transfected lysate)

Western blot analysis of control (vector only transfected HEK293T lysate) and TMPRSS2 over-expression lysate (Co-expressed with a C-terminalmyc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



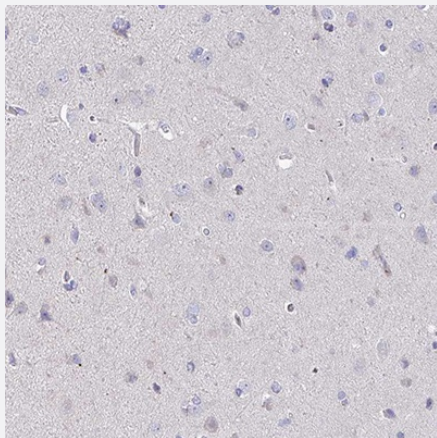
Immunohistochemistry

Immunohistochemical staining of human rectum shows moderate membranous positivity in glandular cells.



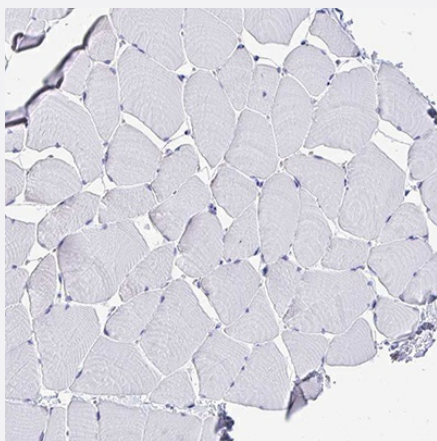
Immunohistochemistry

Immunohistochemical staining of human prostate shows strong membranous positivity in glandular cells.



Immunohistochemistry

Immunohistochemical staining of human cerebral cortex shows no positivity in neurons as expected.



Immunohistochemistry

Immunohistochemical staining of human skeletal muscle shows no positivity in myocytes as expected.

Specification

| | |
|----------------------------|---|
| Product Description | Rabbit polyclonal antibody raised against recombinant human TMPRSS2. |
| Sequence | GSPPAIGPYYPENHGYQPENPYPAQPTVVPTVYEVHPPAQYYPSPVPQYAPRVLTQASNPVVCTQPK SPSGTVCTSKT |
| Host | Rabbit |
| Reactivity | Human |
| Specificity | This antibody reacts to TMPRSS2. |
| Form | Liquid |
| Purification | Affinity purification |
| Isotype | IgG |
| Recommend Usage | Immunohistochemistry (1:200 - 1:500) Western Blot (0.04-0.4 ug/mL) The optimal working dilution should be determined by the end user. |

| | |
|---------------------|--|
| Storage Buffer | In PBS, pH7.2 (40% glycerol, 0.02% sodium azide). |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

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Gene Info — TMPRSS2

| | |
|------------------|----------------------------------|
| Entrez GeneID | 7113 |
| Gene Name | TMPRSS2 |
| Gene Alias | FLJ41954, PP9284, PRSS10 |
| Gene Description | transmembrane protease, serine 2 |
| Omim ID | 602060 |
| Gene Ontology | Hyperlink |

Gene Summary

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]

Other Designations

epitheliasin

Disease

- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)