

Rabbit anti-Human TMPRSS2 Polyclonal Antibody | anti-TMPRSS2 antibody

Anti-TMPRSS2 Antibody, Rabbit Polyclonal

CATALOG # AAA256656	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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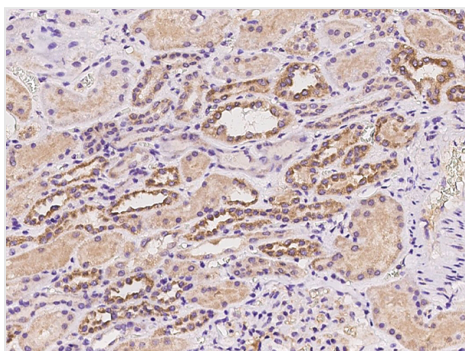
PRODUCT SYNONYMS

TMPRSS2; Polyclonal Antibody; Anti-TMPRSS2 Antibody; Rabbit Polyclonal; TMPRSS2 Antibody; Rabbit PAb; Antigen Affinity Purified; transmembrane protease; serine 2; Anti-PP9284 Antibody; Anti-PRSS10 Antibody; anti-TMPRSS2 antibody

PRODUCT SPECIFICATIONS

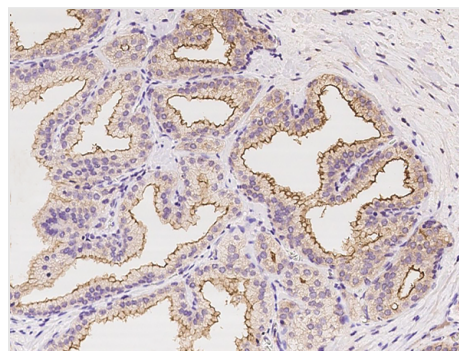
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TMPRSS2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TMPRSS2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human TMPRSS2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TMPRSS2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human TMPRSS2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human TMPRSS2 in human prostate with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TMPRSS2 antibody	The type II transmembrane serine proteases TMPRSS2 and HAT activate influenza viruses and the SARS-coronavirus (TMPRSS2) in cell culture and may play an important role in viral spread and pathogenesis in the infected host. The cellular protease TMPRSS2 cleaves and activates the influenza virus hemagglutinin (HA) and TMPRSS2 expression is essential for viral spread and pathogenesis in mice. Moreover, transmembrane serine protease TMPRSS2 activates the spike protein of highly pathogenic human coronaviruses such as severe acute respiratory syndrome-related coronavirus (SARS-CoV) and the Middle East respiratory syndrome-related coronavirus (MERS-CoV). The strategic localization of TMPRSS2 on the cancer cell surface may allow it to mediate signal transduction between the cancer cell and its extracellular environment. In vitro, activation induces virus-cell membrane fusion at the cell surface.
References	Zmora P, et al. (2015) Tmprss2 isoform 1 activates respiratory viruses and is expressed in viral target cells. PLoS One 10 (9): e0138380.Lam DK, et al. (2015) Tmprss2, a novel membrane-anchored mediator in cancer pain. Pain 156 (5): 923-930.Iwata-Yoshikawa N, et al. (2019) Tmprss2 contributes to virus spread and immunopathology in the airways of murine models after coronavirus infection. J Virol 93 (6): e01815-18.Bertram S, et al. (2012) Influenza and sars-coronavirus activating proteases tmprss2 and hat are expressed at multiple sites in human respiratory and gastrointestinal tracts. PLoS One 7 (4): e35876.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tmprss2-antibody-immunohistochemistry-elisa/256656>