

ATAGENIX LABORATORIES

Catalog Number:ATP226 Anti TMPRSS2 polyclonal antibody

Product Details

Summary

description Produced in rabbits immunized with purified, Recombinant Human TMPRSS2

protein

Accession # O15393

Alternative names PP9284, PRSS10, Serine protease 10, TMPRSS2

Stability &Storage Use a manual defrost freezer and avoid repeated freeze thaw cycles.

Store at 2 to 8 °C for one week .

Store at -20 to -99 °C for twelve months from the date of receipt.

Spcificity Recognizes Human TMPRSS2 protein

Isotype IgG

Host Rabbit

Clonality Polyclonal

Conjugation Unconjugated

Species reactivity Human,other species was not test

Tested applications WB,IHC

Immunogen Recombinant Human TMPRSS2 protein

Background

TMPRSS2, also named as PRSS10, is a type II transmembrane serine protease which is highly expressed by the epithelium of the human prostate gland. TMPRSS2 may contribute to prostate tumour metastasis via the activation of PAR-2. TMPRSS2 is a Serine protease that proteolytically cleaves and activates the viral spike glycoproteins which facilitate virus-cell membrane fusions. TMPRSS2 as a host cell factor that is critical for spread of several clinically relevant viruses, including influenza A viruses and coronaviruses.SARS-CoV-2 uses the SARS-CoV receptor ACE2 for entry and the serine protease TMPRSS2 for S protein priming. The initial spike protein priming by TMPRSS2 is essential for entry and viral spread of SARS-CoV-2 through interaction with the ACE2 receptor.Camostat mesylate, an inhibitor of TMPRSS2, can block SARS-CoV-2 infection of lung cells. The MW of TMPRSS2 is about 65-70 kDa. It can be cleaved in to some chains with MW 54 kDa, 31 kDa and 26 kDa

Product performance

Form Liquid

Buffer PBS,pH7.4,containing 0.05% proclin300,50% glycerol.

Concentration 0.5mg/ml



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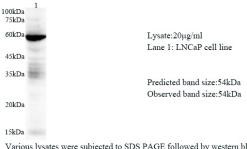
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Anti TMPRSS2 polyclonal antibody

MW 54kDa

Application

Dilution Range WB:1:2000-1:8000,IHC:1:200-1:400

Tested Picture



Various lysates were subjected to SDS PAGE followed by western blot with TMPRSS2 antibody at dilution of 1:1000.

Note

For research use only.