

Allgemeine Informationen

Katalog-Nr.: 80152-1-RR	GenBank-Zugangsnummer: BC051839	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von7113	GeneID (NCBI): von7113	CloneNo.: 715
Nanodrop;	Vollständiger Name: transmembrane protease, serine 2	Empfohlene Verdünnungen: WB 1:2000-1:10000
Wirt: Kaninchen	Berechnete Masse: 54 kDa	
Isotyp: IgG	Beobachtete Masse: 55 kDa	
Immunogen Katalognummer: AG5824		

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : PC-3-Zellen, Caco-2-Zellen, COLO 320-Zellen, HT-29-Zellen, LNCaP-Zellen
Getestete Reaktivität: Human	

Hintergrundinformationen

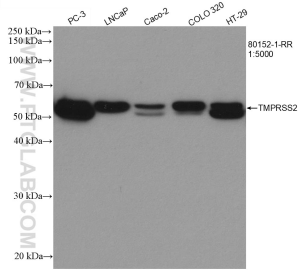
TMPRSS2, also named as PRSS10, is a type II transmembrane serine protease which is highly expressed by the epithelium of the human prostate gland. TMPRSS2 may contribute to prostate tumor metastasis via the activation of PAR-2. TMPRSS2 is a Serine protease that proteolytically cleaves and activates the 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 (PMID: 23468491, 30626688). 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 (PMID: 32142651, 30626688). Camostat mesylate, an inhibitor of TMPRSS2, can block SARS-CoV-2 infection of lung cells (PMID: 32142651). The MW of TMPRSS2 is about 65-70 kDa. It can be cleaved into some chains with MW 54 kDa, 31 kDa and 26 kDa (PMID: 25734995, 20382709, 26018085).

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 80152-1-RR (TMPRSS2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.