

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 68264-1-Ig	<b>GenBank-Zugangsnummer:</b> BC051839	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml von7113 Nanodrop;	<b>GeneID (NCBI):</b> von7113	<b>CloneNo.:</b> 1H7E9
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> transmembrane protease, serine 2	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 54 kDa	
<b>Immunogen Katalognummer:</b> AG5824	<b>Beobachtete Masse:</b> 50 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
WB, ELISA

**Getestete Reaktivität:**  
Hausschwein, Human

**Positivkontrollen:**

**WB :** PC-3-Zellen, Caco-2-Zellen, COLO 320-Zellen, Hausschwein-Nierengewebe, HT-29-Zellen, humanes Hodengewebe, LNCaP-Zellen

## 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 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 is a host cell factor that is critical for the 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 the 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**

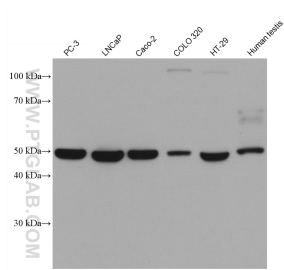
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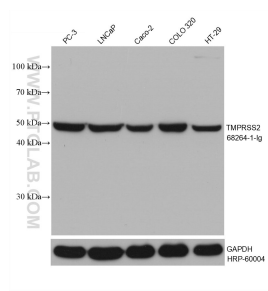
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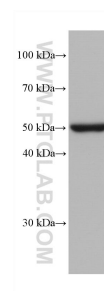
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 68264-1-Ig (TMPRSS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68264-1-Ig (TMPRSS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



pig kidney tissue were subjected to SDS PAGE followed by western blot with 68264-1-Ig (TMPRSS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.