

À des fins de recherche uniquement

Anticorps Monoclonal anti-TMPRSS2

Numéro de catalogue: 68264-1-Ig



Informations de base

Numéro de catalogue: 68264-1-Ig	Numéro d'acquisition GenBank: BC051839	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 7113	CloneNo.: 1H7E9
Hôte: Mouse	Nom complet: transmembrane protease, serine 2	Dilutions recommandées: WB 1:1000-1:8000
Isotype: IgG1	MW calculé: 54 kDa	
Immunogen Catalog Number: AG5824	MW observés: 50 kDa	

Applications

Applications testées:
WB, ELISA

Spécificité de l'espèce:
Humain, porc

Contrôles positifs:

WB : cellules PC-3, cellules Caco-2, cellules COLO 320, cellules HT-29, cellules LNCaP, tissu rénal de porc, tissu testiculaire humain

Informations générales

TMPPRSS2, also named as PRSS10, is a type II transmembrane serine protease which is highly expressed by the epithelium of the human prostate gland. TMPPRSS2 may contribute to prostate tumour metastasis via the activation of PAR-2. TMPPRSS2 is a Serine protease that proteolytically cleaves and activates the viral spike glycoproteins which facilitate virus-cell membrane fusions. TMPPRSS2 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 TMPPRSS2 for S protein priming. The initial spike protein priming by TMPPRSS2 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 TMPPRSS2, can block SARS-CoV-2 infection of lung cells (PMID: 32142651). The MW of TMPPRSS2 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).

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

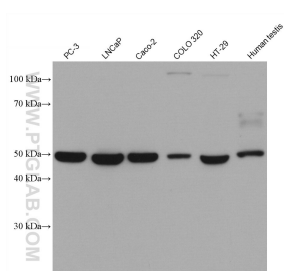
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

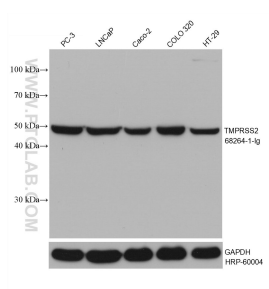
E: proteintech@ptglab.com
W: ptglab.com

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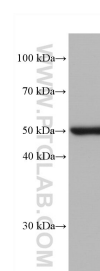
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68264-1-Ig (TMPRS2 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 (TMPRS2 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 (TMPRS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.