For Research Use Only

TMPRSS2 Polyclonal antibody

Catalog Number:14437-1-AP 28 Publications

Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	14437-1-AP	GenBank Accession Number: BC051839	Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):	Recommended Dilutions:
	150ul, Concentration: 450 µg/ml by	7113	WB 1:500-1:2000
	method using BSA as the standard:	Full Name:	IHC 1:100-1:400 IF 1:50-1:500
	Source:	transmembrane protease, serine 2	
	Rabbit	54 kDa	
	Isotype:	Observed MW:	
	IgG	70, 54, 31 kDa	
	Immunogen Catalog Number: AG5824		
Applications	Tested Applications:	Positive Controls: WB : COLO 320 cells, Caco-2 cells, T-47D cells IHC : human colon cancer tissue, human prostate cancer tissue, mouse kidney tissue IF : human tonsillitis tissue,	
	IF, IHC, WB, ELISA		
	Cited Applications: IF, IHC, WB		
	Species Specificity: human, mouse, rat		
	Cited Species: human, mouse, monkey		
	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w	etrieval with vely, antigen ith <mark>citrate</mark>	
	bujjer pri 6.0		
Background Information	TMPRSS2, also named as PRSS10, is a epithelium of the human prostate gla of PAR-2. TMPRSS2 is a Serine protea: which facilitate virus-cell membrane clinically relevant viruses, including 2 uses the SARS-CoV receptor ACE2 f spike protein priming by TMPRSS2 is the ACE2 receptor (PMID: 32142651, 3 2 infection of lung cells (PMID: 32142 chains with MW 54 kDa, 31 kDa and 2	type II transmembrane serine prote ind. TMPRSS2 may contribute to pros se that proteolytically cleaves and a fusions. TMPRSS2 is a host cell factor influenza A viruses and coronavirus or entry and the serine protease TMP essential for the entry and viral spre 30626688). Camostat mesylate, an i 651). The MW of TMPRSS2 is about 6 6 kDa (PMID: 25734995, 20382709, 2	ase which is highly expressed by the state tumour metastasis via the activation ctivates the viral spike glycoproteins or that is critical for the spread of several es (PMID: 23468491, 30626688). SARS-CoV PRSS2 for S protein priming. The initial ead of SARS-CoV-2 through interaction with nhibitor of TMPRSS2, can block SARS-CoV- 55-70 kDa. It can be cleaved into some 26018085).
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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.comW: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14437-1-AP (TMPRSS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using TMPRSS2 antibody (14437-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using TMPRSS2 antibody (14437-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 14437-1-AP (TMPRSS2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 14437-1-AP (TMPRSS2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).