

For Research Use Only

TM9SF1 Polyclonal antibody, PBS Only

Catalog Number: 16893-1-PBS



Basic Information

Catalog Number: 16893-1-PBS	GenBank Accession Number: BC010856	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 10548	
Isotype: IgG	UNIPROT ID: O15321	
Immunogen Catalog Number: AG10418	Full Name: transmembrane 9 superfamily member 1	
	Calculated MW: 606 aa, 69 kDa	

Applications

Tested Applications:
IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

TM9SF1, also known as HMP70 and MP70, is a membrane protein that regulates cell autophagy (PMID: 19029833). TM9SF1 deficiency inhibits the maturation of antibody-secreting plasma cells through the activation of mTOR and inhibition of autophagy. TM9SF1 is associated with the activity of autoimmune diseases such as rheumatoid arthritis (RA) and systemic lupus erythematosus (SLE)(PMID: 39482663).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

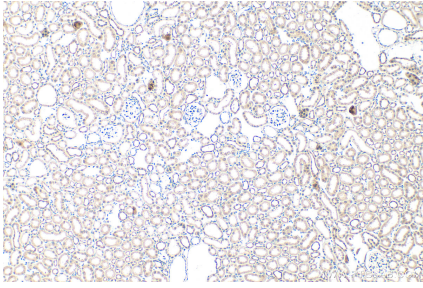
T: 4006900926

E: Proteintech-CN@ptglab.com

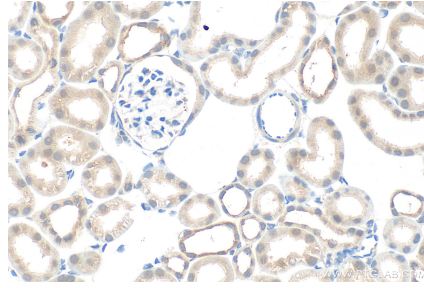
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

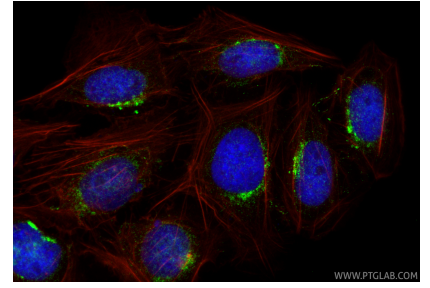
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16893-1-AP (TM9SF1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16893-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16893-1-AP (TM9SF1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16893-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using TM9SF1 antibody (16893-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 16893-1-PBS in a different storage buffer formulation.