

For Research Use Only

PSMD14/POH1 Recombinant antibody

Catalog Number: 84767-4-RR



Basic Information

Catalog Number: 84767-4-RR	GenBank Accession Number: BC009524	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 10213	CloneNo.: 242160H6
Source: Rabbit	UNIPROT ID: O00487	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	
Immunogen Catalog Number: AG2694	Calculated MW: 35 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : A375 cells,
Species Specificity: human	

Background Information

The PSMD14 (POH1, also known as Rpn11/MPR1/S13/CepP1) protein is a metalloprotease component of the 26S proteasome that specifically cleaves 'Lys-63'-linked polyubiquitin chains. The 26S proteasome is involved in the ATP-dependent degradation of ubiquitinated proteins. PSMD14 is highly expressed in the heart and skeletal muscle. In carcinoma cell lines, down-regulation of PSMD14 by siRNA transfection considerably impacted cell viability, causing cell arrest in the G0-G1 phase, ultimately leading to senescence.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

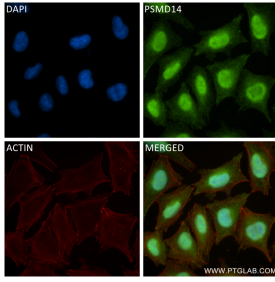
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A375 cells using PSMD14 antibody (84767-4-RR, Clone: 242160H6) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).