

For Research Use Only

PSMA2 Polyclonal antibody

Catalog Number: 14377-1-AP **2 Publications**



Basic Information

Catalog Number: 14377-1-AP	GenBank Accession Number: BC047697	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 5683	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: P25787	
Isotype: IgG	Full Name: proteasome (prosome, macropain) subunit, alpha type, 2	
Immunogen Catalog Number: AG5753	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : NIH/3T3 cells, HEK-293 cells, HepG2 cells, mouse kidney tissue, PC-3 cells IHC : human skeletal muscle tissue, IF : HepG2 cells,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PSMA2 (Proteasome subunit alpha type-2) is the essential subunit that contributes to the complete assembly of 20S proteasome complex, involved in the proteolytic degradation of most intracellular proteins. It is required in spermatogenesis and generation of a subset of MHC class I-presented antigenic peptides (PMID: 34711951, PMID: 27342858). Dysregulation of PSMA2 degradation leads to tumorigenesis including cervical cancer (PMID:33684886).

Notable Publications

Author	Pubmed ID	Journal	Application
Guangwei Wang	38481252	J Ovarian Res	IHC
Baofu Ma	36632878	Acta Biomater	WB

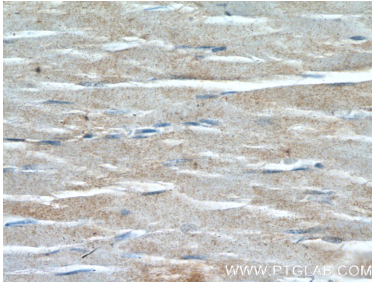
Storage

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

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

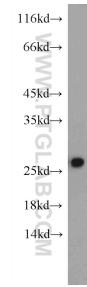
Selected Validation Data



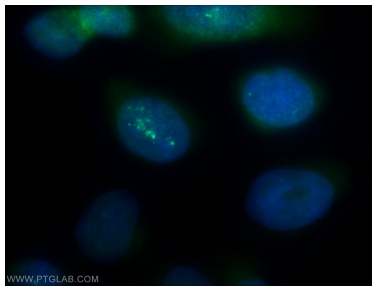
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 14377-1-AP (PSMA2 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 14377-1-AP (PSMA2 antibody) at dilution of 1:200 (under 10x lens).



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 14377-1-AP (PSMA2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 14377-1-AP (PSMA2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).