

For Research Use Only

PSMA3 Polyclonal antibody

Catalog Number: 11887-1-AP **6 Publications**



Basic Information

Catalog Number: 11887-1-AP	GenBank Accession Number: BC029402	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5684	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: proteasome (prosome, macropain) subunit, alpha type, 3	
Isotype: IgG	Calculated MW: 255 aa, 28 kDa	
Immunogen Catalog Number: AG2495	Observed MW: 28 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

ELISA, IF, WB

Species Specificity:

human, mouse, rat, monkey

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells, PC-12 cells, human lung tissue, COS-7 cells, RAW 264.7 cells, mouse spleen tissue, rat brain tissue, HeLa cells, NIH/3T3 cells, mouse liver tissue

IHC : human lymphoma tissue, human liver cancer tissue

IF : HeLa cells,

Background Information

PSMA3(Proteasome subunit alpha type-3) is also named as HC8, PSC8 and belongs to the peptidase T1A family. The proteasome is a multicatalytic protease complex that catalyzes an energy-dependent, extralysosomal proteolytic pathway responsible for selective elimination of proteins with aberrant structures and naturally occurring short-lived proteins related to metabolic regulation and cell cycle progression. It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Jesper Just	26472192	Free Radic Biol Med	ELISA
Diego Sbardella	29594388	Cell Mol Life Sci	
Yang Wang	35858239	Clin Transl Med	IF

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

*** 20ul sizes contain 0.1% BSA

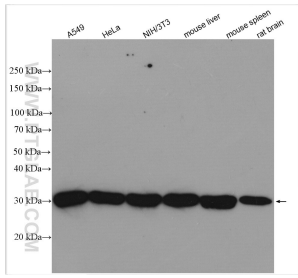
For technical support and original validation data for this product please contact:

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

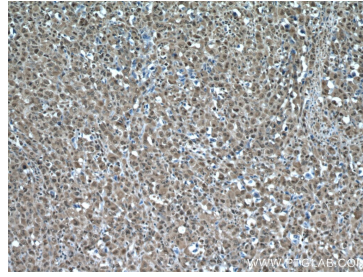
E: proteintech@ptglab.com
W: ptglab.com

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

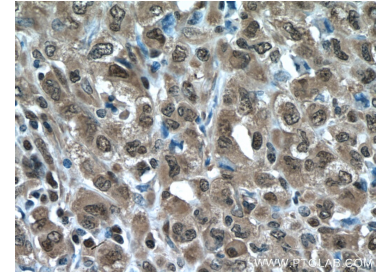
Selected Validation Data



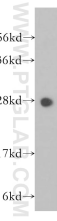
A549 cells were subjected to SDS PAGE followed by western blot with 11887-1-AP (PSMA3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



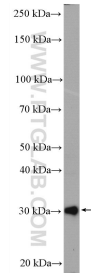
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11887-1-AP (PSMA3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



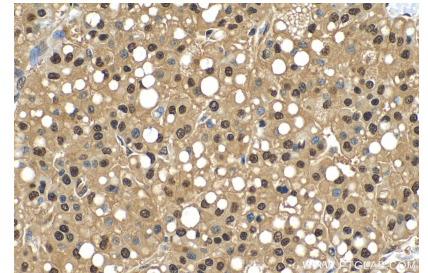
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11887-1-AP (PSMA3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



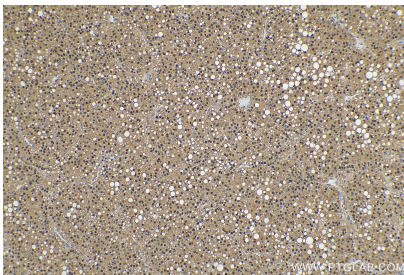
human lung tissue were subjected to SDS PAGE followed by western blot with 11887-1-AP (PSMA3 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



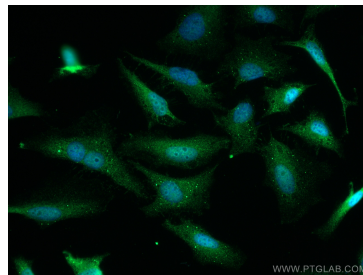
PC-12 cells were subjected to SDS PAGE followed by western blot with 11887-1-AP (PSMA3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



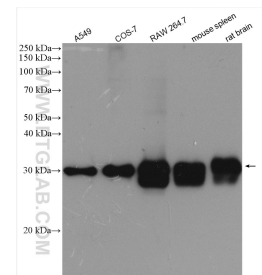
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11887-1-AP (PSMA3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11887-1-AP (PSMA3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PSMA3 antibody (11887-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 11887-1-AP (PSMA3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.