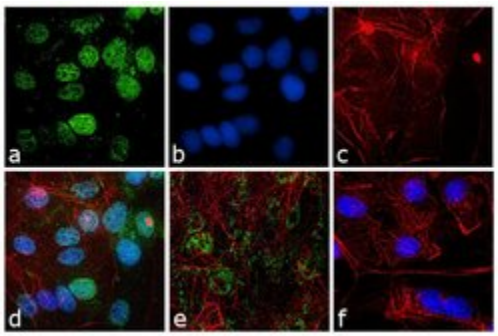
PSME1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Raised against the C-term of human PA28-alpha.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533361

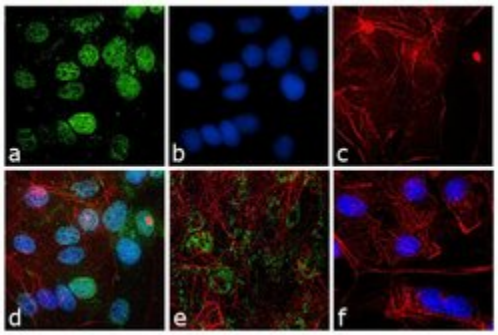
Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	3-5 µg/1x10^6 cells	-
Miscellaneous PubMed (Misc)	-	1 Publication

Advanced Verification Data

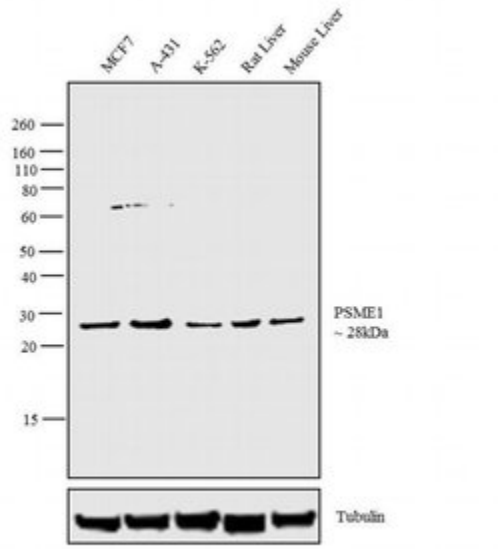


PSME1 Antibody (38-2400)
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of PA28ALPHA (C-term) using PSME1 Rabbit Polyclonal Antibody (Product # 38-2400), shows increased nuclear expression of PA28ALPHA (C-term) in Raji cell line upon sodium vanadate treatment. Cell treatment validation info.

Product Images For PSME1 Polyclonal Antibody



PSME1 Antibody (38-2400) in ICC/IF
Immunofluorescence analysis of PA28ALPHA (C-TERM) was performed using 70% confluent log phase HepG2 cells treated with interferon-gamma (10 ng/mL for 24 h). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with PSME1 Rabbit Polyclonal Antibody (Product # 38-2400) at 2µg/mLin 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e shows the untreated cells with lower expression of PA28ALPHA. Panel f shows the primary antibody control. The images were captured at 60X magnification.



PSME1 Antibody (38-2400) in WB
Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of MCF7 (Lane 1), A-431 (Lane 2), K-562 (Lane 3), tissue extracts of Rat Liver (Lane 4) and Mouse Liver (Lane 5). The blot was probed with Rabbit Anti- PSME1 Polyclonal Antibody (Product # 38-2400, 2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 28 kDa band corresponding to PSME1 was observed across the cell lines and tissues tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

View more figures on thermofisher.com

2 References

Immunohistochemistry (1)

Omics : a journal of integrative biology

Spectroimmunohistochemistry: a novel form of MALDI mass spectrometry imaging coupled to immunohistochemistry for tracking antibodies.

"38-2400 was used in immunohistochemistry to evaluate a new MALDI mass spectrometry technique for analyzing antibody staining"

Authors: Longuespée R,Boyon C,Desmons A,Kerdraon O,Leblanc E,Farré I,Vinatier D,Day R,Fournier I,Salzet M

Species
Human

Dilution
1:100

Year
2014

Miscellaneous PubMed (1)

Medical science monitor : international medical journal of experimental and clinical research

MALDI imaging mass spectrometry in ovarian cancer for tracking, identifying, and validating biomarkers.

"38-2400 was used in immunohistochemistry to test if mass spectroscopy can be used to track ovarian carcinoma biomarkers using cancer-antigen 125"

Authors: El Ayed M,Bonnel D,Longuespée R,Castelier C,Franck J,Vergara D,Desmons A,Tasiemski A,Kenani A, Vinatier D,Day R,Fournier I,Salzet M

Species
Human

Dilution
1:100

Year
2010