

KD-Validated Anti-Proteasome Activator Subunit 1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1685**Specification****KD-Validated Anti-Proteasome Activator Subunit 1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q06323
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 29 kDa , observed , 29 kDa KDa
Gene Name	PSME1
Aliases	Proteasome Activator Subunit 1; PA28alpha; IFI5111; Proteasome (Prosome, Macropain) Activator Subunit 1 (PA28 Alpha); Activator Of Multicatalytic Protease Subunit 1; Interferon Gamma Up-Regulated I-5111 Protein; Proteasome Activator Complex Subunit 1; 11S Regulator Complex Subunit Alpha; IGUP I-5111; Epididymis Secretory Sperm Binding Protein Li 129m; Interferon-Gamma-Inducible Protein 5111; Proteasome Activator 28 Subunit Alpha; Interferon-Gamma IEF SSP 5111; 29-KD MCP Activator Subunit; HEL-S-129m; REG-Alpha; REGalpha; PA28A; PA28a A synthesized peptide derived from human PSME1
Immunogen	

KD-Validated Anti-Proteasome Activator Subunit 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	5720
Other Names	Proteasome activator complex subunit 1, 11S regulator complex subunit alpha, REG-alpha, Activator of multicatalytic protease subunit 1, Interferon gamma up-regulated I-5111 protein, IGUP I-5111, Proteasome activator 28 subunit alpha, PA28a, PA28alpha, PSME1, IFI5111

KD-Validated Anti-Proteasome Activator Subunit 1 Rabbit Monoclonal Antibody - Protein Information**Name** PSME1**Synonyms** IFI5111**Function**

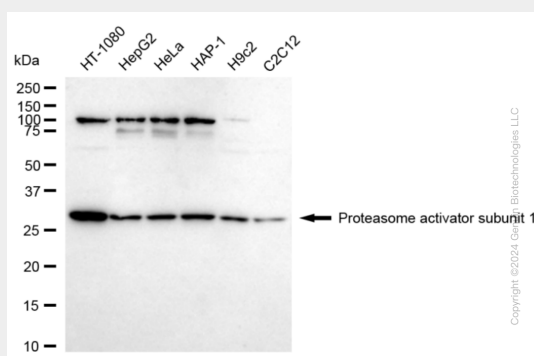
Implicated in immunoproteasome assembly and required for efficient antigen processing. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome.

KD-Validated Anti-Proteasome Activator Subunit 1 Rabbit Monoclonal Antibody - Protocols

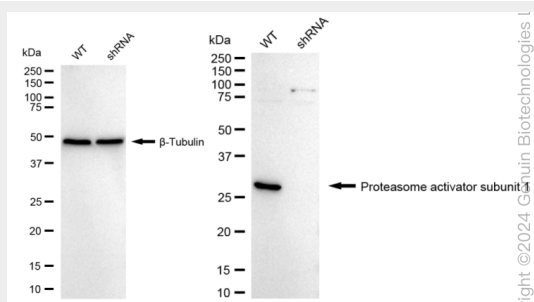
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

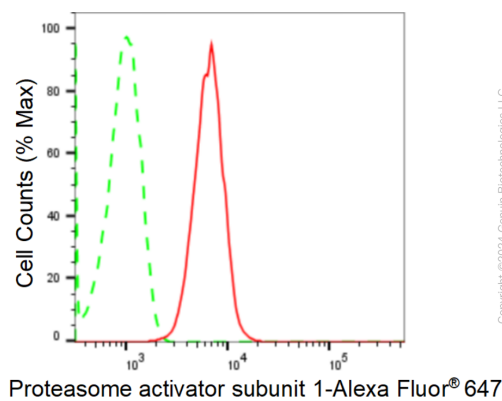
KD-Validated Anti-Proteasome Activator Subunit 1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Proteasome activator subunit 1 antibody (Cat#AGI1685). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Proteasome activator subunit 1 antibody (Cat#AGI1685, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Proteasome activator subunit 1 antibody (Cat#AGI1685). Proteasome activator subunit 1 expression in wild type (WT) and Proteasome activator subunit 1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Proteasome activator subunit 1 antibody (Cat#AGI1685, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Proteasome activator subunit 1 expression in HT-1080 cells using anti-Proteasome activator subunit 1 antibody (Cat#AGI1685, 1:2,000). Green, isotype control; red, Proteasome activator subunit 1.