10320 Camino Santa Fe, Suite G
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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**
Immunogen	**A synthesized peptide derived from human PSME1**

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

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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.

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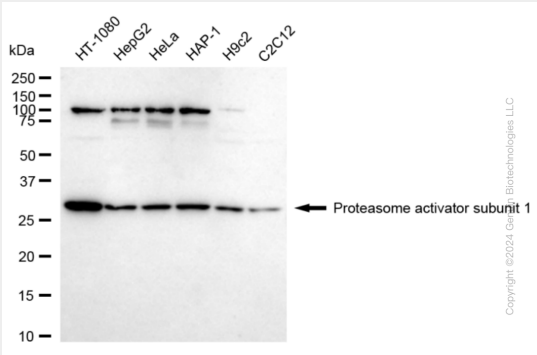
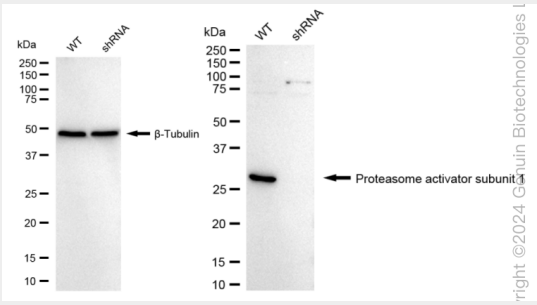
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.

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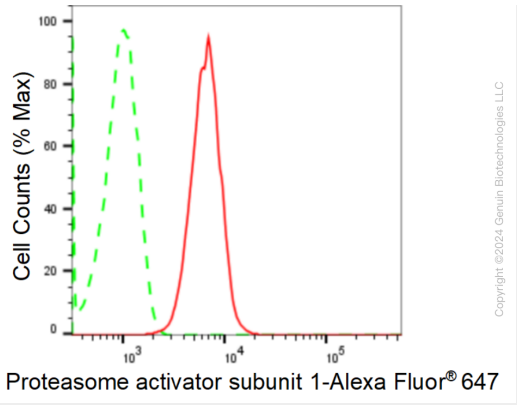

Flow cytometric analysis of Proteasome activator subunit 1 expression in HT-1080 cells using anti-Proteasome activator subunit 1 antibody (Cat#AGI1685, 1:2,000). Green, isotype control; red, Proteasome activator subunit 1.