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Product datasheet for AM50620PU-S

PSME1 Mouse Monoclonal Antibody [Clone ID: AT12H3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT12H3
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human PSME1 (1-249aa) purified from E. coli.
Formulation:	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proteasome activator subunit 1
Database Link:	Entrez Gene 5720 Human Q06323
Background:	PSME1, also known as PA28 alpha, is an interferon gamma (IFNG) inducible proteasome activator required for presentation of certain major histocompatibility (MHC) class I antigens. The PSME1 complex is an altertive proteasome activator that does not employ the use of ubiquitin. The PSME1 complex is composed of two homologous subunits, alpha and beta, which have similar catalytic properties and associate to form a hexameric ring.

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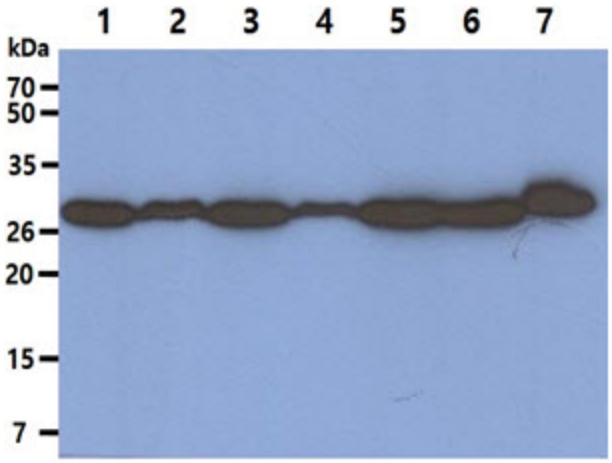
Synonyms: PSME-1, IFI5111, Proteasome activator complex subunit 1, Proteasome activator 28 subunit alpha, PA28alpha, PA28a, 11S regulator complex subunit alpha, REG-alpha, IGUP I-5111

Protein Pathways: Antigen processing and presentation, Proteasome

Product images:



The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PSME1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : LNCap cell lysate Lane 3. : A549 cell lysate Lane 4. : 293T cell lysate Lane 5. : Jurkat cell lysate Lane 6. : Raji cell lysate Lane 7. : A431 cell lysate