

Recombinant PSMA1 Monoclonal Antibody

catalog number: **AN301638L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

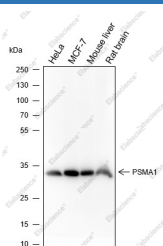
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of Human PSMA1
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121261
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:10000
IHC-P	1:200-1:1000

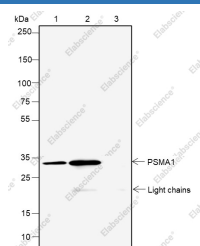
Data



Western Blot with PSMA1 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: Mouse liver, Lane 4: Rat brain

Observed-MW:30 kDa

Calculated-MW:30 kDa



Immunoprecipitation analysis using anti-PSMA1 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using PSMA1 Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: PSMA1 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:30 kDa

Calculated-MW:30 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex).

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Rev. V1.3

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