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## PSMA1 Recombinant Rabbit mAb

Catalog Number: bsm-54170R

Target Protein: PSMA1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 10A2

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200), Flow-Cyt (1:50), ICC/IF (1:50)

Reactivity: Human, Mouse, Rat

Predicted MW: 30 kDa

Entrez Gene: 5682

Swiss Prot: P25786

Purification: affinity purified by Protein A

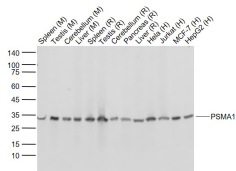
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

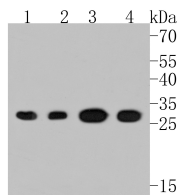
**Background:** Ubiquitin-dependent proteolysis mediates selective destruction of various cell cycle regulators, transcription factors and tumor suppressors. In eukaryotic cells, selective breakdown of cellular proteins is ensured by their ubiquitination and subsequent degradation by the 26S proteasome. At specific stages of development, embryo- and tissue-specific components of the 26S proteasome form, facilitating proteolysis. 20S Proteasome ?, also designated macropain subunit C2 or PROS-30, is a prosomal protein involved in a non-lysosomal ATP/ubiquitin-dependent proteolytic pathway. The entire proteasome is composed of at least 15 non-identical subunits which form a highly-ordered ring-shaped structure.

### VALIDATION IMAGES

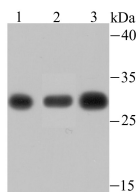
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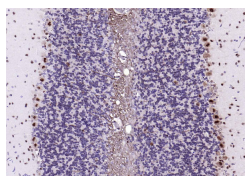
Sample: Lane 1: Mouse Spleen tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Mouse Cerebellum tissue lysates Lane 4: Mouse Liver tissue lysates Lane 5: Rat Spleen tissue lysates Lane 6: Rat Testis tissue lysates Lane 7: Rat Cerebellum tissue lysates Lane 8: Rat Pancreas tissue lysates Lane 9: Rat Liver tissue lysates Lane 10: Human Hela cell lysates Lane 11: Human Jurkat cell lysates Lane 12: Human MCF-7 cell lysates Lane 13: Human HepG2 cell lysates Primary: Anti-PSMA1 (bsm-54170R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 32 kD



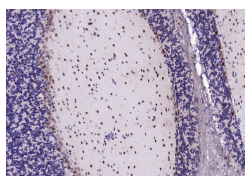
Sample: Lane 1: Jurkat cell lysate Lane 2: Hela cell lysate Lane 3: HepG2 cell lysate Lane 4: 293 cell lysate Primary: Anti-PSMA1 (bsm-54170R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 30 kD Observed band size: 30 kD



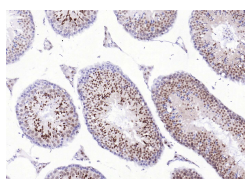
Sample: Lane 1: PC-12 cell lysate Lane 2: mouse spleen tissue lysate Lane 3: rat spleen tissue lysate Primary: Anti-PSMA1 (bsm-54170R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 30 kD Observed band size: 30 kD



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PSMA1) Monoclonal Antibody, Unconjugated (bsm-54170R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PSMA1) Monoclonal Antibody, Unconjugated (bsm-54170R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PSMA1) Monoclonal Antibody, Unconjugated (bsm-54170R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.