

bsm-51520M

[Primary Antibody]

PSMA5 Mouse mAb

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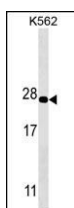
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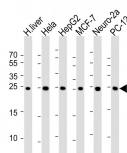
— DATASHEET —

Host: Mouse	Isotype: IgG1	Applications: WB (1:500-1000) IHC-P (1:400-800) IHC-F (1:400-800) IF (1:10-50) ICC/IF (1:25) Reactivity: Human, Mouse (predicted: Rat, Cow) Predicted MW.: 26.5 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Monoclonal	CloneNo.: N9G6	
GeneID: 5686	SWISS: P28066	
Target: PSMA5		
Purification: affinity purified by Protein G		
Concentration: 1mg/ml		
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: The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity.		

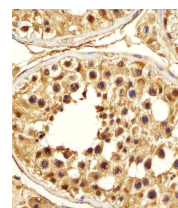
— VALIDATION IMAGES —



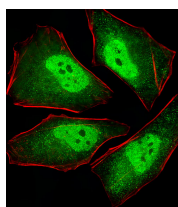
Sample: Lane 1: K562 cell lysates Primary: Anti-PSMA5 (bsm-51520M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 26.5 kD
Observed band size: 26 kD



Sample: Lane 1: Human liver tissue lysates Lane 2: Hela cell lysates Lane 3: HepG2 cell lysates
Lane 4: MCF-7 cell lysates Lane 5: Neuro-2a cell lysates Lane 6: PC-12 cell lysates Primary: Anti-PSMA5 (bsm-51520M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 26.5 kD
Observed band size: 26 kD



Paraformaldehyde-fixed, paraffin embedded (human testis section); 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 (PSMA5) Monoclonal Antibody, Unconjugated (bsm-51520M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (PSMA5) monoclonal Antibody, Unconjugated (bsm-51520M) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, Alexa Fluor® 555 conjugated with Phalloidin (red) was used to stain the cell cytoplasmic actin.

— SELECTED CITATIONS —

- **[IF=5.6]** Yating Fan. et al. β -Sitosterol Suppresses Lipopolysaccharide-Induced Inflammation and Lipogenesis Disorder in Bovine Mammary Epithelial Cells. INT J MOL SCI. 2023 Jan;24(19):14644 WB ;Bovine. 37834091
- **[IF=4.081]** Liu Jiayi. et al. Lithium Chloride Promotes Endogenous Synthesis of CLA in Bovine Mammary Epithelial Cells. BIOL TRACE ELEM RES. 2023 Apr;:1-14 WB ;Bovine. 37099221