

**bs-12260R****[ Primary Antibody ]****PSMA4 Rabbit pAb****BioSS**  
**ANTIBODIES**

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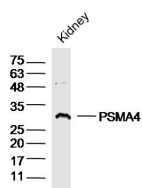
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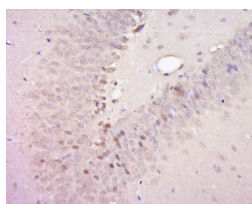
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 5685	<b>SWISS:</b> P25789	<b>IHC-F</b> (1:100-500)
<b>Target:</b> PSMA4		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from Human PSMA4: 161-261/261.		<b>Reactivity:</b> Mouse, Rat (predicted: Human, Pig, Horse, Monkey)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 29 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Background:</b> The proteasome represents a large protein complex that exists inside all eukaryotes and archaea, and in some bacteria. The main function of proteasomes is to degrade unnecessary or damaged proteins by proteolysis. The most common form of the proteasome, known as the 26S Proteasome, contains one 20S Proteasome core particle structure and two 19S regulatory caps. The 20S Proteasome core is hollow and forms an enclosed cavity, where proteins are degraded, as well as openings at the two ends to allow the target protein to enter. The 20S Proteasome core particle contains many subunits, depending on the organism. All of the subunits fall into one of two types: alpha subunits, which are structural, serve as docking domains for the regulatory particles and exterior gates blocking unregulated access to the interior cavity; or beta subunits, which are predominantly catalytic. The outer two rings in the proteasome consist of seven ?subunits each, and the inner two rings each consist of seven beta subunits.		

**— VALIDATION IMAGES —**

Sample: kidney (mouse) Lysate at 40 ug Primary:  
Anti- PSMA4(bs-12260R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 29 kD  
Observed band size: 29 kD



Tissue/cell: Rat brain tissue; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen  
peroxide for 30min; Blocking buffer (normal goat  
serum,C-0005) at 37°C for 20 min; Incubation:  
Anti-PSMA4 Polyclonal Antibody,  
Unconjugated(bs-12260R) 1:500, overnight at  
4°C, followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining