

**bs-3759R****[ Primary Antibody ]****S100A4 Rabbit pAb****Bioss**  
**ANTIBODIES**

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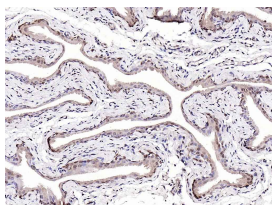
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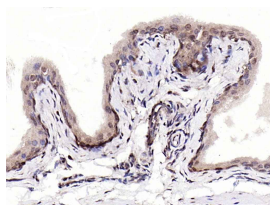
400-901-9800

**— DATASHEET —**

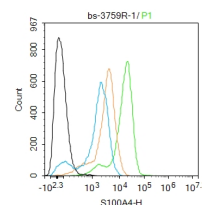
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1ug/Test)  <b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, GuineaPig, Horse)  <b>Predicted MW.:</b> 12 kDa  <b>Subcellular Location:</b> ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 6275	<b>SWISS:</b> P26447	
<b>Target:</b> S100A4		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human S100A4: 15-101/101.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<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>Background:</b> The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse bladder); 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 (S100A4) Polyclonal Antibody, Unconjugated (bs-3759R) 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 (Rat bladder); 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 (S100A4) Polyclonal Antibody, Unconjugated (bs-3759R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-S100A4 antibody (bs-3759R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

- **[IF=15.881]** Ke Li. et al. Multienzyme-like Reactivity Cooperatively Impairs Glutathione Peroxidase 4 and Ferroptosis Suppressor Protein 1 Pathways in Triple-Negative Breast Cancer for Sensitized Ferroptosis Therapy. *Acs Nano*. 2022;XXXX(XXX):XXX-XXX WB ;Mouse. 35041395

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=6.543]** Yang Lili. et al. Elucidating the Novel Mechanism of Ligustrazine in Preventing Postoperative Peritoneal Adhesion Formation. *Oxid Med Cell Longev*. 2022;2022:9226022 WB,IF ;Rat,Human. 35308169
- **[IF=7.419]** Honghua Yue. et al. Colchicine: Emerging therapeutic effects on atrial fibrillation by alleviating myocardial fibrosis in a rat model. *BIOMED PHARMACOTHER*. 2022 Oct;154:113573 IF ;Rat. 35987161
- **[IF=5.1]** Shi Haoyu. et al. Edaravone Alleviates Traumatic Brain Injury by Inhibition of Ferroptosis via FSP1 Pathway. *MOL NEUROBIOL*. 2024 May;;1-14 WB,IF ;Mouse,Rat. 38733490
- **[IF=4.8]** Ruilin Wang. et al. Decreased expression of hyaluronan synthase and loss of hyaluronan-rich cells in the anterior tibial fascia of the rat model of chemotherapy-induced peripheral neuropathy. *Pain Reports*. 2023 Jul-Aug; 8(4): e1088 IF ;Rat. 37388408