

**bs-7729R**

**[ Primary Antibody ]**

## SMC5 Rabbit pAb

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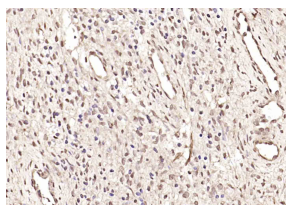
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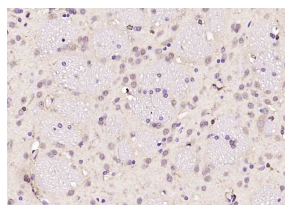
### — DATASHEET —

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 23137		
<b>Target:</b> SMC5		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SMC5: 251-350/1101.		
<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> Structural Maintenance of Chromosomes (SMC) family proteins play critical roles in various nuclear events that require structural changes of chromosomes, including mitotic chromosome organization, DNA recombination and repair and global transcriptional repression. The chromosome proteins are conserved in eukaryotes lead to mitotic chromosome segregation defects, suggesting a critical function of SMC family proteins in mitotic chromosome dynamics.		
		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Dog)
		<b>Predicted MW.:</b> 145 kDa
		<b>Subcellular Location:</b> Nucleus

### — VALIDATION IMAGES —



Paraformaldehyde-fixed, paraffin embedded (human prostate); 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 (SMC5) Polyclonal Antibody, Unconjugated (bs-7729R) 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 brain); 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 (SMC5) Polyclonal Antibody, Unconjugated (bs-7729R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.