

**bs-4179R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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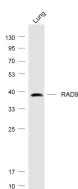
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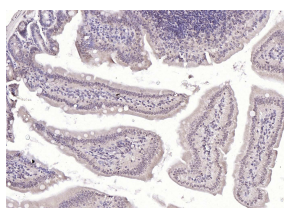
400-901-9800

**RAD9 Rabbit pAb****— DATASHEET —**

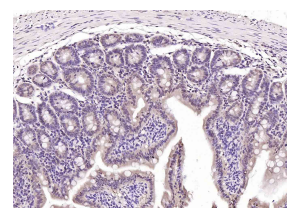
<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 5883</p> <p><b>Target:</b> RAD9</p> <p><b>Immunogen:</b> KLH conjugated synthetic peptide derived from human RAD9: 201-300/391.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><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.</p> <p><b>Background:</b> This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein is found to possess 3' to 5' exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Use of alternative polyA sites has been noted for this gene. [provided by RefSeq].</p>	<p><b>Isotype:</b> IgG</p> <p><b>SWISS:</b> Q99638</p>	<p><b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)</p> <p><b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Chicken, Dog)</p> <p><b>Predicted MW.:</b> 43 kDa</p> <p><b>Subcellular Location:</b> Nucleus</p>
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**— VALIDATION IMAGES —**

Sample: Lung (Mouse) Lysate at 40 ug Primary:  
Anti-RAD9 (bs-4179R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 43 kD  
Observed band size: 43 kD



Paraformaldehyde-fixed, paraffin embedded (mouse intestine); 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; Incubation with (RAD9) Polyclonal Antibody, Unconjugated (bs-4179R) 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 intestine); 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; Incubation with (RAD9) Polyclonal Antibody, Unconjugated (bs-4179R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.