

**bs-13546R****[ Primary Antibody ]****ZAK Rabbit pAb****BioSS**  
**ANTIBODIES**

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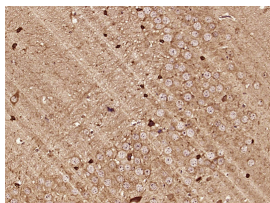
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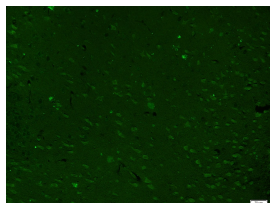
400-901-9800

**— DATASHEET —**

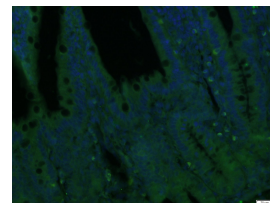
|  |                      |   |
|--|----------------------|---|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> IHC-P (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:200-800)<br><br><b>Reactivity:</b> Mouse, Rat<br>(predicted: Human, Rabbit,<br>Pig, Sheep, Cow, Chicken,<br>Dog, Horse)<br><br><b>Predicted<br/>MW.:</b> 91 kDa<br><br><b>Subcellular<br/>Location:</b> Cytoplasm ,Nucleus |
| <b>Clonality:</b> Polyclonal   |                      |   |
| <b>GeneID:</b> 51776   | <b>SWISS:</b> Q9NYL2 |   |
| <b>Target:</b> ZAK   |                      |   |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ZAK/HCCS4: 1-100/800.  |                      |   |
| <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.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |                      |   |
| <b>Background:</b> Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways. Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2. Isoform 1, but not isoform 2, causes cell shrinkage and disruption of actin stress fibers. Isoform 1 may have role in neoplastic cell transformation and cancer development. Isoform 1, but not isoform 2, phosphorylates histone H3 at 'Ser-28'. |                      |   |

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (ZAK) Polyclonal Antibody, Unconjugated (bs-13546R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (ZAK) Polyclonal Antibody, Unconjugated (bs-13546R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF488) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (Rat colon); 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 (ZAK) Polyclonal Antibody, Unconjugated (bs-13546R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF488) for 90 minutes, and DAPI for nuclei staining.