

**bs-5717R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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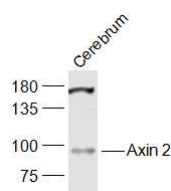
sales@bioss.com.cn

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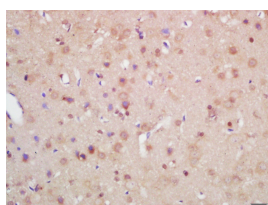
400-901-9800

**Axin 2 Rabbit pAb****— DATASHEET —**

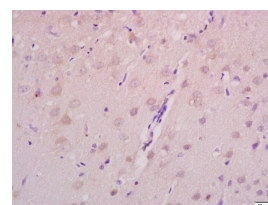
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 8313	<b>SWISS:</b> Q9Y2T1	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Axin 2		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Axin 2 corresponding: 331-430/843.		<b>Reactivity:</b> Mouse, Rat (predicted: Human, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 93 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
<b>Background:</b> Inhibitor of the Wnt signaling pathway. Down-regulates beta-catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B. Involvement in disease: Defects in AXIN2 are involved in colorectal cancer (CRC). They appear to be specifically associated with defective mismatch repair. Defects in AXIN2 are the cause of oligodontia-colorectal cancer syndrome (ODCRCS). Affected individuals manifest severe tooth agenesis and colorectal cancer or precancerous lesions of variable types.		

**— VALIDATION IMAGES —**

Sample: Cerebrum (Mouse) Lysate at 40 ug  
 Primary: Anti-Axin 2 (bs-5717R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 93 kD Observed band size: 93 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-Axin 2 Polyclonal Antibody, Unconjugated(bs-5717R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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**— SELECTED CITATIONS —**

- **[IF=3.337]** Zhang X et al. TMED3 Promotes Proliferation and Migration in Breast Cancer Cells by Activating Wnt/ $\beta$ -Catenin Signaling. Onco Targets Ther . 2020 Jun 19;13:5819-5830. ICC ;Human. 32606792