

**bs-20485R****[ Primary Antibody ]****Bioss**  
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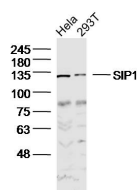
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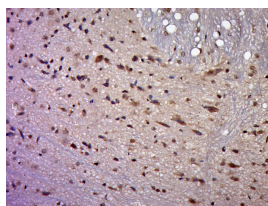
400-901-9800

**SIP1 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> 9839	<b>SWISS:</b> O60315	<b>IHC-F</b> (1:100-500)
<b>Target:</b> SIP1		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SIP1: 721-820/1214.		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Pig, Sheep, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 136 kDa
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Nucleus
<b>Background:</b> SMAD regulates gene expression by interacting with different classes of transcription factors including DNA-binding multi-zinc finger proteins. SIP1, for SMAD interacting protein 1, is a member of the delta-EF1/Zfh1 family of 2-handed zinc finger/homeodomain proteins. SIP1 contains a SMAD-binding domain, a homeodomain and two clusters of zinc fingers on the N- and C-termini. SIP1, also known as SMADIP1, ZFH1B and ZEB2 (zinc finger E-box-binding protein 2), can be induced by TGF $\beta$ treatment. SIP1 plays a crucial role in normal embryonic development of neural structures and the neural crest. The human SIP1 gene maps to chromosome 2q22. Mutations in the SIP1 gene cause a form of Hirschsprung disease (HSCR). Patients with SIP1 mutations show mental retardation, delayed motor development, epilepsy, microcephaly, distinct facial features and/or congenital heart disease—all symptoms of HSCR.		

**— VALIDATION IMAGES —**

Sample: HeLa (Human) cell Lysate at 40 ug 293T  
(Human) cell Lysate at 40 ug Primary: Anti-SIP1  
(bs-20485R) at 1/300 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 136kD Observed  
band size: 133kD



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 (SIP1) Polyclonal Antibody,  
Unconjugated (bs-20485R) at 1:400 overnight at  
4°C, followed by a conjugated secondary  
(sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.6]** Lifang Yuan. et al. STEAP3 promotes TNBC growth through the FGFR1-mediated activation of PI3K/AKT/mTOR signaling. ISCIENCE. 2025 四月 24 **WB ;Human**. 10.1016/j.isci.2025.112526
- **[IF=3.269]** Zhixin Zhao. et al. Zinc Finger E-Box Binding Homeobox 2 (ZEB2)-induced astrogliosis protected neuron

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

from pyroptosis in cerebral ischemia and reperfusion injury. Bioengineered. 2021;12(2):12917-12930 IF ;Rat. 34852714