

bs-20484R**[Primary Antibody]****SIP1 Rabbit pAb****BioSS**
ANTIBODIES

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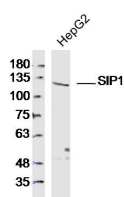
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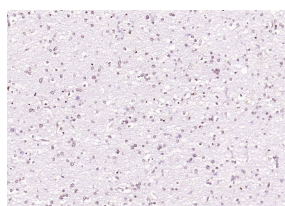
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 9839 Target: SIP1 Immunogen: KLH conjugated synthetic peptide derived from human SIP1: 1061-1160/1214. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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. Background: 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 β 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.	Isotype: IgG SWISS: O60315 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Sheep, Cow, Dog, Horse) Predicted MW.: 136 kDa Observed MW.: 133 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Sample: HepG2 (Human) Cell Lysate at 40 ug
Primary: Anti-SIP1(bs-20484R) 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 (human brain glioma); 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 (SIP1) Polyclonal Antibody, Unconjugated (bs-20484R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=11.161]** Zhipeng Jiang. et al. EIF4A3-induced circ_0084615 contributes to the progression of colorectal cancer via miR-599/ONECUT2 pathway. J Exp Clin Canc Res. 2021 Dec;40(1):1-15 WB,IHC ;Human. 34253241

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