

bs-11450R**[Primary Antibody]****AMIGO2 Rabbit pAb****BioSS**
ANTIBODIES

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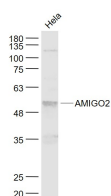
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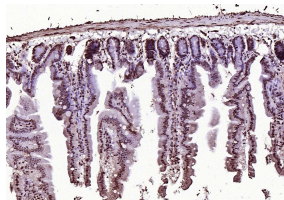
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— DATASHEET —

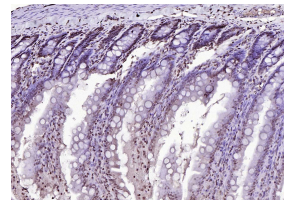
Host: Rabbit Clonality: Polyclonal GeneID: 347902 Target: AMIGO2 Immunogen: KLH conjugated synthetic peptide derived from human AMIGO2: 21-120/522. < Extracellular > Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The amphoterin-induced gene and ORF (AMIGO) family of proteins consists of AMIGO-1, AMIGO-2 and AMIGO-3. All three members are single pass type I membrane proteins that contain several leucine-rich repeats, one IgG domain, and a transmembrane domain. The AMIGO proteins are specifically expressed on fiber tracts of neuronal tissues and participate in their formation. The AMIGO proteins can form complexes with each other, but can also bind itself. AMIGO-1, also designated Alivin-2, promotes growth and fasciculation of neurites and plays a role in myelination and fasciculation of developing neural axons. In cerebellar neurons, AMIGO-2 (Alivin-1) is crucial for depolarization-dependent survival. Similar to AMIGO-1 and AMIGO-2, AMIGO-3 (Alivin-3) plays a role in homophilic and/or heterophilic cell-cell interaction and signal transduction.	Isotype: IgG SWISS: Q86SJ2 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 54 kDa Subcellular Location: Cell membrane ,Nucleus
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— VALIDATION IMAGES —

Sample: HeLa(Human) Cell Lysate at 30 ug
Primary: Anti- AMIGO2 (bs-11450R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD



Paraformaldehyde-fixed, paraffin embedded (mouse small 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; Antibody incubation with (AMIGO2) Polyclonal Antibody, Unconjugated (bs-11450R) 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 small 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; Antibody incubation with (AMIGO2) Polyclonal Antibody, Unconjugated (bs-11450R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.923]** Kirsten Hülskötter. et al. Tamoxifen Application Is Associated with Transiently Increased Loss of Hippocampal Neurons following Virus Infection. Int J Mol Sci. 2021 Jan;22(16):8486 IHC ;Mouse. 34445189