

**bs-12387R****[ Primary Antibody ]****KIF13B Rabbit pAb****Bioss**  
**ANTIBODIES**

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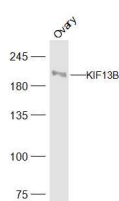
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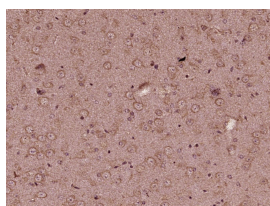
400-901-9800

**— DATASHEET —**

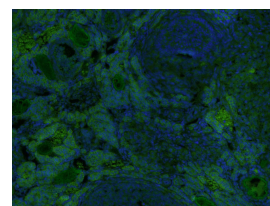
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 23303 <b>Target:</b> KIF13B <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human KIF13B: 351-450/1826. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> KIF13B is also known as Kinesin-like protein GAKIN or GAKIN and is a 1,826 amino acid protein that is widely expressed in tissues, with highest expression in brain and kidney. KIF13B is localized to the cytoplasm, as well as to the cytoskeleton, and is thought to be a microtubule-dependent motor protein which is able to bind to a variety of proteins in order to traffic them to various locations throughout the cell. KIF13B belongs to the kinesin-like protein family and possesses three domains typical of the kinesin-like protein family, namely an N-terminal motor domain with an ATP-binding motif, an FHA domain which is known to bind diverse cargos and a large stalk domain involved in protein-protein binding. Additionally, KIF13B has a microtubule-interacting sequence which is known as the CAP-Gly domain at its C-terminus. The CAP-Gly domain is highly conserved domain among eukaryotes, and in humans, defects in the CAP-Gly domain are implicated in many diseases affecting the trafficking of vesicles, neuromuscular junctions and lysosome proliferation.	<b>Isotype:</b> IgG  <b>SWISS:</b> Q9NQY8	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:200-800)  <b>Reactivity:</b> Mouse, Rat (predicted: Human, Pig, Sheep, Cow, Horse)  <b>Predicted MW.:</b> 203 kDa  <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Sample: Ovary (Rat) Lysate at 40 ug Primary:  
Anti-KIF13B (bs-12387R) at 1/500 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 203 kD  
Observed band size: 203 kD



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 (KIF13B) Polyclonal Antibody, Unconjugated (bs-12387R) 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 ovary); 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 (KIF13B) Polyclonal Antibody, Unconjugated (bs-12387R) 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.

**— SELECTED CITATIONS —**

- **[IF=8.713]** Oscar Marcelo Lazo. et al. Rab10 regulates the sorting of internalised TrkB for retrograde axonal transport.

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

