

**bs-24715R****[ Primary Antibody ]****KIF5B Rabbit pAb****BioSS**  
**ANTIBODIES**

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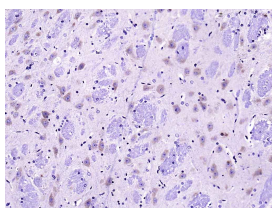
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:400-800) <b>IHC-F</b> (1:400-800) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3799	<b>SWISS:</b> P33176	
<b>Target:</b> KIF5B		<b>Reactivity:</b> Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 106 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> Structural proteins in Arabidopsis provide cellular stability, facilitate protein transportation within the cell and are essential for cell growth. Three types of molecular motors are involved in the organization, dynamics and transport processes associated with the cytoskeleton (1). They include myosin, which transports cargo along actin filaments, and kinesin and dynein, which transport cargo along microtubules (1,2). These proteins regulate many cellular functions, including cell division and expansion, cell-to-cell communication, membrane trafficking and morphogenesis (2). In addition, the dynamin-like proteins are GTP-binding proteins involved in vesicle trafficking (3). Extensin is a structural protein that may be involved in cell wall assembly, while expansin is a cell wall loosening protein that induces stress relaxation and extension of cell walls and may control organ size, morphology and abscission (4,5). Also, xyloglucan (XG), a major hemicellulose in plants, is modified by the fucosyltransferase, XG FTase, which adds a terminal fucosyl residue to XG (6).		

**— VALIDATION IMAGES —**

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 (KIF5B) Polyclonal Antibody, Unconjugated (bs-24715R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=2]** YUANLIN LIU. et al. LncRNA PCGEM1 facilitates cervical cancer progression via miR-642a-5p/KIF5B axis. ONCOL RES. 2024; 32(7): 1221-1229 WB ;Human. 38948025