bs-17054R **[Primary Antibody]**

KIF26B Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 55083 **SWISS:** Q2KJY2

Target: KIF26B

Immunogen: KLH conjugated synthetic peptide derived from human KIF26B: 221-320/2108.

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 kinesins constitute a large family of microtubule-dependent motor proteins, which are responsible for the distribution of numerous organelles, vesicles and macromolecular complexes throughout the cell. Individual kinesin members play crucial roles in cell division, intracellular transport and membrane trafficking events including endocytosis and transcytosis. KIF26B (kinesin family member 26B) is a 2,108 amino acid protein that contains one kinesin-motor domain and belongs to the kinesin-like protein family. The kinesin-motor domain is responsible for the ATP-dependent movement of KIF26B across microtubules. KIF26B regulates the adhesion of mesenchymal cells in contact with ureteric buds, making it essential for kidney development. KIF26B is also thought to play a role in embryogenesis, specifically in the development of limbs, face and somites. KIF26B localizes to the cytoplasm and exists as two alternatively splices isoforms. The gene encoding KIF26B is located on human chromosome 1q43.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)

Reactivity: Mouse (predicted: Human, Rat, Sheep, Cow, Dog, Horse)

Predicted MW.: 224 kDa

Subcellular Location: Cytoplasm