

KIF2B polyclonal antibody

Catalog: BS8251

Host: Rabbit

Reactivity: Human, Mouse, Rat

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. KIF2B (kinesin family member 2B) is a 673 amino acid cytoplasmic protein that localizes to the kinetochore. Highly expressed in lung and ovary with moderate expression in heart, kidney, placenta skeletal muscle and spleen, KIF2B has microtubule depolymerization activity and is associated with peripheral translocation of lysosomes. Overexpression of KIF2B in cells result in abnormally large lysosome size and unusual positioning, which is some distance from their usual perinuclear location. KIF2B activity is critical for spindle assembly and chromosome movement.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 76 kDa

Swiss-Prot:

Q8N4N8

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:2000

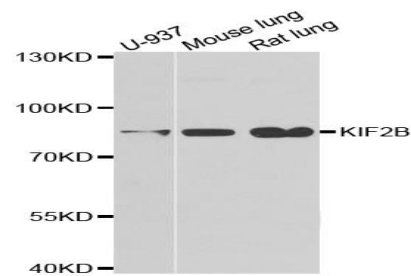
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

KIF2B polyclonal antibody detects endogenous levels of KIF2B protein.

DATA:



Western blot analysis of extracts of various cell lines, using KIF2B antibody.

Note:

For research use only, not for use in diagnostic procedure.

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