

Eg5 polyclonal antibody

Catalog: BS90447

Host: Rabbit

Reactivity: Human

BackGround:

Eukaryotes contain a superfamily of microtubule-based motor proteins comprising kinesin and a number of related proteins that are thought to participate in various forms of intracellular motility, including cell division and organelle transport. KIF11(also known as kinesin family member 11, Eg5 or TRIP5) is a slow, plus-end-directed microtubule-based motor of the BimC kinesin family that is essential for bipolar spindle formation during eukaryotic cell division. When the expression of KIF11 is blocked, centrosome migration halts and cells are arrested in mitosis with monoastal microtubule arrays. KIF11 is phosphorylated on serine during S phase and on both serine and Thr 927 during mitosis, which regulates the association of Eg5 with the spindle apparatus (probably during early prophase). KIF11 is also known to be a member of the thyroid receptor interacting protein (Trip) family, and interacts with the thyroid hormone receptor only in the presence of thyroid hormone.

Product:

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

Molecular Weight:

119 kDa

Swiss-Prot:

P52732(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IP:1:10-1:50

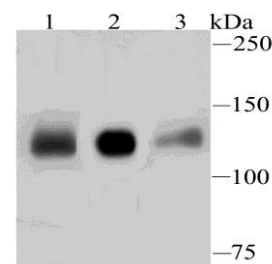
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

Eg5 polyclonal antibody detects endogenous levels of Eg5 protein.

DATA:



Western blot analysis of Eg5 on different cell lysates using anti-Eg5 antibody at 1/500 dilution. Positive control: Lane 1: 293 Lane 2: A431
Lane 3: Jurkat

Note:

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

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