驱动蛋白样蛋白 1 抗体（甲状腺激素受体相互作用蛋白 5）

产品货号： mlR8177

英文名称： KIF11

中文名称： 驱动蛋白样蛋白 1 抗体（甲状腺激素受体相互作用蛋白 5）

别　　名： HKSP; KIF11; kinesin family member 11; Kinesin like protein 1; Kinesin like spindle protein HKSP; KNSL1;Eg5; Thyroid receptor interacting protein 5; TRIP5; KIF11_HUMAN.

研究领域： 细胞生物　信号转导　细胞周期蛋白　细胞骨架　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 120kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human KIF11/Eg5:351-450/1056

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： **PubMed**

产品介绍： Eg5 is a motor protein that belongs to the kinesin-like family. Members of this protein family are known to be involved in various kinds of spindle dynamics. The function of this gene product includes chromosome positioning, centrosome separation and establishing a bipolar spindle during cell mitosis.

Function:

Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastral microtubule arrays.

Subunit:

Interacts with the thyroid hormone receptor in the presence of thyroid hormone. Component of a large chromatin remodeling complex, at least composed of MYSM1, PCAF, RBM10 and KIF11/TRIP5. Interacts (via C-terminus) with the kinase NEK6 in both interphase and mitosis.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton, spindle pole.

Post-translational modifications:

Phosphorylated exclusively on serine during S phase, but on both serine and Thr-926 during mitosis, so controlling the association of KIF11 with the spindle apparatus (probably during early prophase). Phosphorylated upon DNA damage, probably by ATM or ATR.

A subset of this protein primarily localized at the spindle pole is phosphorylated by NEK6 during mitosis; phosphorylation is required for mitotic function.

Similarity:

Belongs to the kinesin-like protein family. BimC subfamily.

Contains 1 kinesin-motor domain.

SWISS:

P52732

Gene ID:

3832

Important Note:

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

产品图片