



Eg5 mouse mAb

Catalog No	YP-Ab-02956
Isotype	IgG
Reactivity	Human
Applications	WB;IP;ICC
Gene Name	kif11
Immunogen	Purified recombinant human Eg5 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Eg5 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000 icc 1:200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIF11;KNSL1;Kinesin-related motor protein Eg5;Kinesin-like spindle protein HKSP;Kinesin-like protein KIF11;Eg5;HKSP;KIF11_HUMAN;kinesin family member 11;Kinesin like protein 1;Kinesin like spindle protein HKSP;Kinesin-like protein 1;MCLMR;Thyroid receptor interacting protein 5;Thyroid receptor-interacting protein 5;TR-interacting protein 5;TRIP-5;TRIP5.
Observed Band	130kD
Calculated Molecular Weight	130kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton, spindle pole .
Tissue Specificity	Brain,Epithelium,Lung,
Function	function:Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastal microtubule arrays.,PTM: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.,similarity:Belongs to the kinesin-like protein family. BimC subfamily.,similarity:Contains 1 kinesin-motor domain.,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.,

Background

kinesin family member 11(KIF11) Homo sapiens This gene encodes a motor protein that belongs to the kinesin-like protein 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. [provided by RefSeq, Jul 2008],

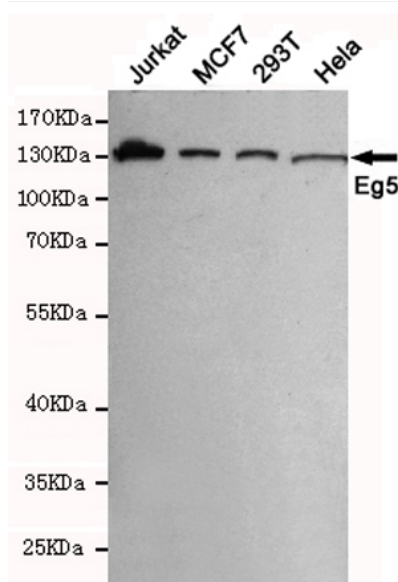
matters needing attention

Avoid repeated freezing and thawing!

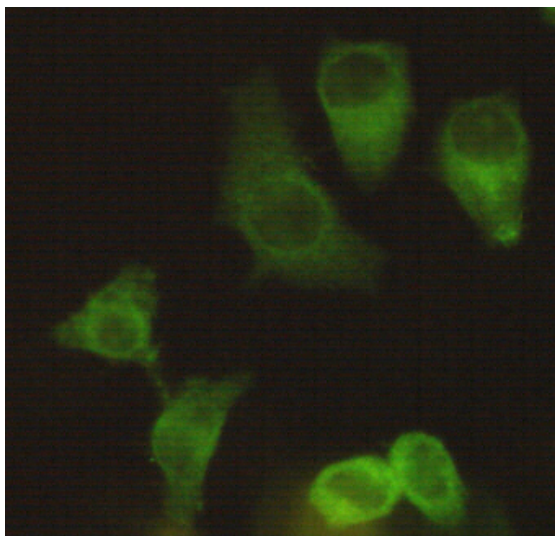
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of Eg5 in MCF7, 293T, Jurkat and HeLa cell lysates using Eg5 mouse mAb (1:1000 diluted). Predicted band size: 130KDa. Observed band size: 130KDa.



Immunocytochemistry staining of HeLa using Eg5 mouse mAb (1:200).



Immunoprecipitation analysis of Jurkat cell lysates using Eg5 mouse mAb.

