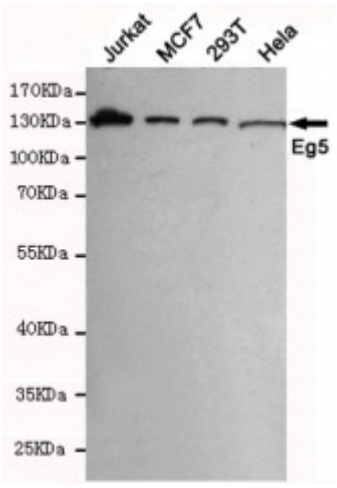
Anti-Eg5 antibody



Description	Mouse monoclonal to Eg5.

Model	STJ99033
Host	Mouse
Reactivity	Human
Applications	ELISA, WB
Immunogen	Purified recombinant human Eg5 protein fragments expressed in E.coli.
Gene ID	3832
Gene Symbol	KIF11
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of Eg5 and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	4H3-1F12
Note	For Research Use Only (RUO).
Protein Name	Kinesin-like protein KIF11 Kinesin-like protein 1 Kinesin-like spindle protein HKSP Kinesin-related motor protein Eg5 Thyroid receptor-interacting protein 5 TR-interacting protein 5 TRIP-5
Molecular Weight	130kDa
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6388OMIM:148760
Alternative Names	Kinesin-like protein KIF11 Kinesin-like protein 1 Kinesin-like spindle protein HKSP Kinesin-related motor protein Eg5 Thyroid receptor-interacting protein 5 TR-interacting protein 5 TRIP-5
Function	Motor protein required for establishing a bipolar spindle during mitosis . Required in non-mitotic cells for transport of secretory proteins from the Golgi complex to the cell surface .
Cellular Localization	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). A subset of this protein primarily localized at the spindle pole is phosphorylated by NEK6 during mitosis; phosphorylation is required for mitotic function.