ARG53992
anti-Eg 5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Eg 5
Tested Reactivity	Hu
Tested Application	ICC/IF, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	Eg 5
Species	Human
Immunogen	Purified recombinant human Eg5 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	TRIP-5; Kinesin-related motor protein Eg5; KNSL1; TR-interacting protein 5; HKSP; Kinesin-like spindle protein HKSP; EG5; MCLMR; Kinesin-like protein 1; Kinesin-like protein KIF11; TRIP5; Thyroid receptor-interacting protein 5

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200
IP	Assay-dependent
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	130 kDa

Properties

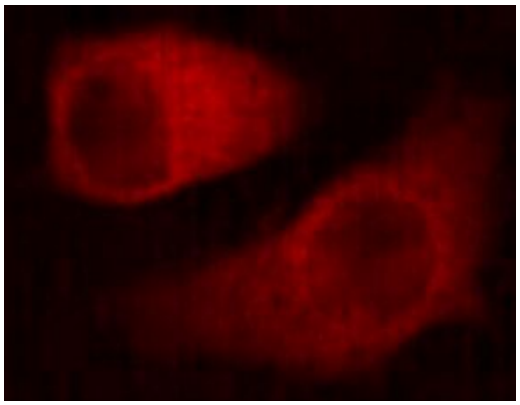
Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3832 Human Swiss-port # P52732 Human
Gene Symbol	KIF11
Gene Full Name	kinesin family member 11
Background	Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastral microtubule arrays.
Function	Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastral microtubule arrays. [UniProt]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	119 kDa
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). A subset of this protein primarily localized at the spindle pole is phosphorylated by NEK6 during mitosis; phosphorylation is required for mitotic function.
Cellular Localization	Cytoplasm

Images

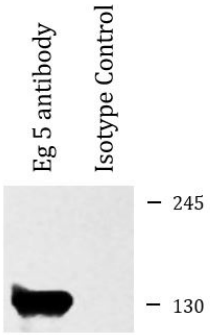


ARG53992 anti-Eg 5 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG53992 anti-Eg 5 antibody at 1:200 dilution.

ARG53992 anti-Eg 5 antibody WB image

Western blot: MCF7 cell lysate stained with ARG53992 anti-Eg 5 antibody at 1:1000 dilution.



ARG53992 anti-Eg 5 antibody IP image

Immunoprecipitation: Jurkat cell lysates were immunoprecipitated and stained with ARG53992 anti-Eg 5 antibody.