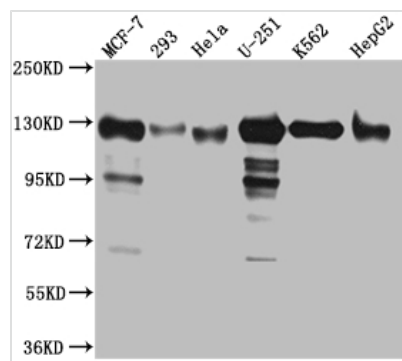




KIF11 Antibody

Product Code	CSB-RA956956A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P52732
Immunogen	A synthesized peptide derived from human Eg5
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Motor protein required for establishing a bipolar spindle during mitosis (PubMed:19001501). Required in non-mitotic cells for transport of secretory proteins from the Golgi complex to the cell surface (PubMed:23857769).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling; Signal transduction
Gene Names	KIF11
Accession NO.	1G11

Image



Western Blot

Positive WB detected in: MCF-7 whole cell lysate, 293 whole cell lysate, HeLa whole cell lysate, U-251 whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate
All lanes: Eg5 Antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 120 kDa
Observed band size: 130 kDa

Description

KIF11 is a homotetrameric mitotic kinesin whose expression peaks during mitosis. It plays a role in chromosome positioning, chromosome separation, bipolar spindle formation and maintenance, and driving mitosis to promote cellular proliferation. It also participates in non-mitotic cell processes, including axon growth control and microtubule polymerization. It has also been



demonstrated to influence centrosome migration after mitosis and transfer Golgi material. KIF11 overexpression has been seen in a variety of cancers, including gastric cancer, malignant mesothelioma, breast cancer, and glioblastoma.

The recombinant KIF11 antibody is a monoclonal antibody generated by cloning KIF11 antibody genes into plasma vectors and transfecting vector clones into stable cell lines for production. For recombinant antibody generation, mammalian cell lines like CHO cells and HEK293 are commonly used. The recombinant KIF11 antibody was purified using Affinity-chromatography. It has verified to detect KIF11 protein from Human in the ELISA, WB.