

Anti-Eg5 Antibody (4H3-1F12)

Human Monoclonal Antibody

Catalog # ABV12040

Product Information

Application	WB, IF, IP
Primary Accession	P52732
Reactivity	Human
Host	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	4H3-1F12
Calculated MW	119159

Additional Information

Gene ID	3832
Application & Usage	WB: MCSF, 293T, Jurkat, HeLa cell lysates; IP: Jurkat cells; IF: HeLa cells
Other Names	EG5, HKSP, KNSL1, TRIP5
Target/Specificity	KIF11
Antibody Form	Liquid
Appearance	Colorless liquid
Formulation	In PBS (pH 7.4) containing with 0.02% sodium azide and 50% glycerol
Handling	The antibody solution should be gently mixed before use.
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Eg5 Antibody (4H3-1F12) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KIF11
Synonyms	EG5, KNSL1, TRIP5
Function	Motor protein required for establishing a bipolar spindle and thus contributing to chromosome congression during mitosis (PubMed: 19001501 , PubMed: 37728657). Required in non-mitotic cells for transport of secretory

proteins from the Golgi complex to the cell surface (PubMed:[23857769](#)).

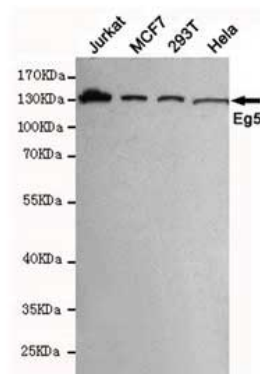
Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, spindle pole

Background

Eg5 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.

Images



Western blot detection of Eg5 in MCF7,293T,Jurkat and HeLa cell lysates using Eg5 mouse mAb (1:1000 diluted)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.