

ARG43194 anti-Eg 5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Eg 5
Tested Reactivity	Hu, Hm
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Eg 5
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 103-130 of Human Eg 5.
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
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431 and CHO	
Observed Size	~ 120 kDa	

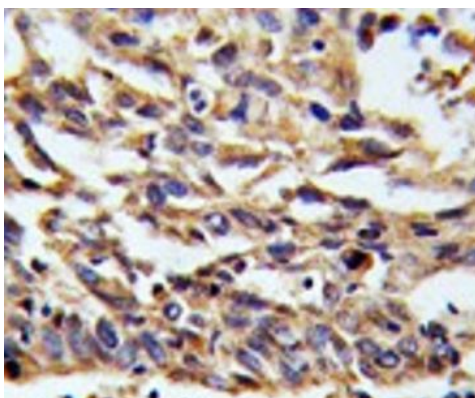
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
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 or below. 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.

Bioinformation

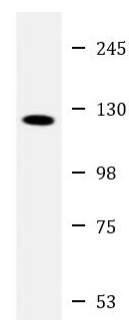
Gene Symbol	KIF11
Gene Full Name	kinesin family member 11
Background	This gene encodes a motor protein that belongs to the kinesin-like protein family. Members of this protein family are known to be involved in various kinds of spindle dynamics. The function of this gene product includes chromosome positioning, centrosome separation and establishing a bipolar spindle during cell mitosis. [provided by RefSeq, Jul 2008]
Function	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). [UniProt]
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. [UniProt]
Cellular Localization	Cytoplasm. Cytoplasm, cytoskeleton, spindle pole. [UniProt]

Images



ARG43194 anti-Eg 5 antibody IHC-P image

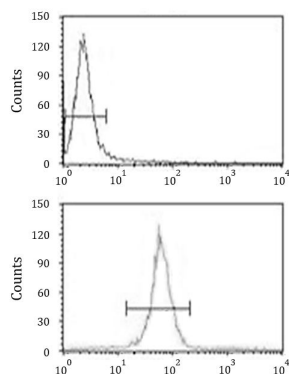
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lung carcinoma tissue stained with ARG43194 anti-Eg 5 antibody.



A431

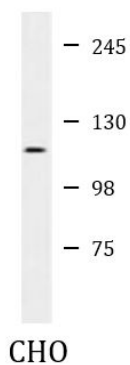
ARG43194 anti-Eg 5 antibody WB image

Western blot: 20 µg of A431 whole cell lysate stained with ARG43194 anti-Eg 5 antibody at 1:1000 dilution.



ARG43194 anti-Eg 5 antibody FACS image

Flow Cytometry: HeLa cells stained with ARG43194 anti-Eg 5 antibody (bottom histogram) or without primary antibody as control (top histogram), followed by incubation with FITC labelled secondary antibody.



ARG43194 anti-Eg 5 antibody WB image

Western blot: 35 µg of CHO cell lysate stained with ARG43194 anti-Eg 5 antibody.