

KIF11 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9097A

Specification

KIF11 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P52732
Reactivity	Human, Hamster
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	119159
Antigen Region	103-130

KIF11 Antibody (N-term) - Additional Information

Gene ID 3832

Other 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, KIF11, EG5, KNSL1, TRIP5

Target/Specificity

This KIF11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-130 amino acids from the N-terminal region of human KIF11.

Dilution

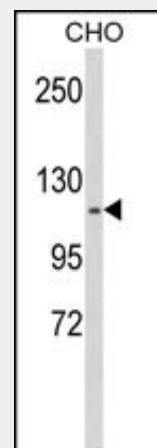
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

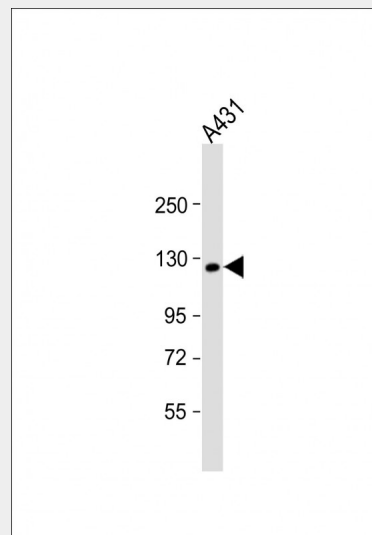
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of KIF11 Antibody (N-term) (Cat. #AP9097a) in CHO cell line lysates (35ug/lane). KIF11 (arrow) was detected using the purified Pab.



Anti-KIF11 Antibody (N-term) at 1:1000 dilution + A431 whole cell lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 119 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Precautions

KIF11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KIF11 Antibody (N-term) - Protein Information

Name KIF11

Synonyms EG5, KNSL1, TRIP5

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).

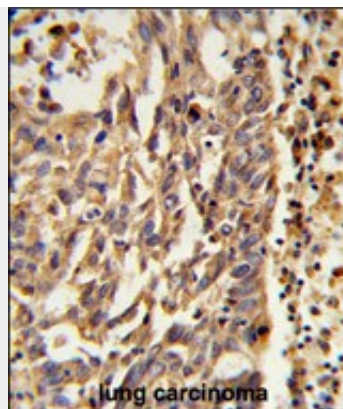
Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, spindle pole

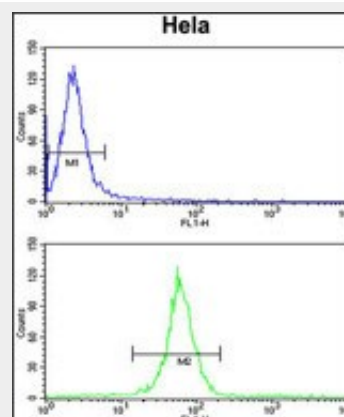
KIF11 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with KIF11 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



KIF11 Antibody (N-term) (Cat.#AP9097a) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KIF11 Antibody (N-term) - Background

KIF11 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.

KIF11 Antibody (N-term) - References

Tcherniuk,S., et.al., Biochem. Pharmacol. 79
(6), 864-872 (2010)

Parke,C.L., et.al., J. Biol. Chem. 285 (8),
5859-5867 (2010)