

## Anti-KIF15 Antibody Picoband® APC Conjugated

Catalog Number: A05983-1-APC

### About KIF15

Kinesin family member 15 is a protein that in humans is encoded by the KIF15 gene. It is mapped to 3p21.31. This gene encodes a motor protein that is part of the kinesin superfamily. KIF15 maintains half spindle separation by opposing forces generated by other motor proteins. KIF15 co-localizes with microtubules and actin filaments in both dividing cells and in postmitotic neurons. KIF15 (also known as Kinesin-12 and HKLP2) is a motor protein expressed in all cells during mitosis and in postmitotic neurons undergoing axon growth. KIF15 maintains bipolar microtubule spindle apparatus in dividing cells and shares redundant functions with KIF11. KIF15 is thought to promote spindle assembly by cross-linking and sliding along microtubules creating a separation between centrosomes. HeLa cells depleted of KIF11, with reduced microtubule dynamics, are able to form bipolar spindles from acentrosomal asters in a KIF15 dependent manner. Hence, inhibition of KIF15 function will be a vital therapeutic approach in cancer chemotherapy.

### Overview

Product Name	Anti-KIF15 Antibody Picoband® APC Conjugated
Reactive Species	Human, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9NS87

### Technical Details

Immunogen	E.coli-derived human KIF15 recombinant protein (Position: M1201-S1388).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-KIF15 Antibody - APC

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