

## Anti-MCAK/KIF2C Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9230-Fluoro647

### About KIF2C

Kinesin-like protein KIF2C is a protein that in humans is encoded by the KIF2C gene. It is mapped to 1p34.1. The protein encoded by this gene is a member of kinesin-like protein family. Most proteins of this family are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. This protein acts to regulate microtubule dynamics in cells and is important for anaphase chromosome segregation and may be required to coordinate the onset of sister centromere separation. KIF2C uses microtubule depolymerizing activity to correct improper microtubule attachments at kinetochores.

### Overview

Product Name	Anti-MCAK/KIF2C Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
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	Q99661

### Technical Details

Immunogen	E.coli-derived human MCAK recombinant protein (Position: G531-Q725). Human MCAK shares 87% amino acid (aa) sequence identity with both mouse and rat MCAK.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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