

**KIF2C Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant KIF2C.****Catalog # AT2621a****Specification**

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**KIF2C Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | IF, IP, WB, IHC, E       |
| Primary Accession | <a href="#">O99661</a>   |
| Other Accession   | <a href="#">BC014924</a> |
| Reactivity        | Human                    |
| Host              | Mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 kappa               |
| Calculated MW     | 81313                    |

**KIF2C Antibody (monoclonal) (M01) - Additional Information****Gene ID** 11004**Other Names**

Kinesin-like protein KIF2C, Kinesin-like protein 6, Mitotic centromere-associated kinesin, MCAK, KIF2C, KNSL6

**Target/Specificity**

KIF2C (AAH14924, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

KIF2C Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

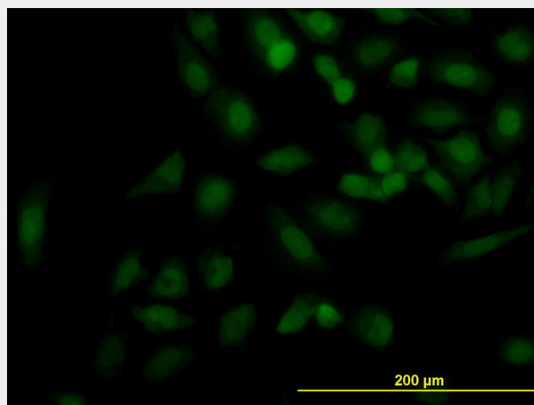
**KIF2C Antibody (monoclonal) (M01) - Protocols**

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

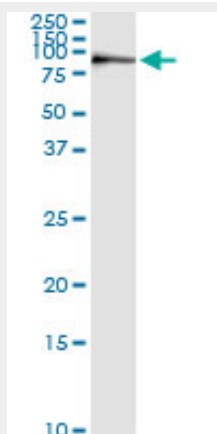
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

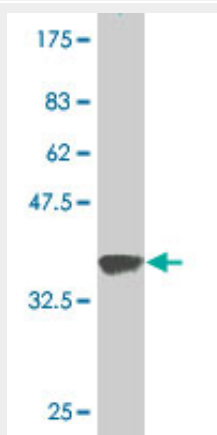
## KIF2C Antibody (monoclonal) (M01) - Images



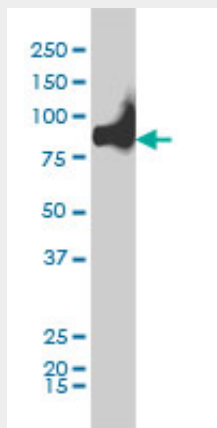
Immunofluorescence of monoclonal antibody to KIF2C on HeLa cell. [antibody concentration 10 ug/ml]



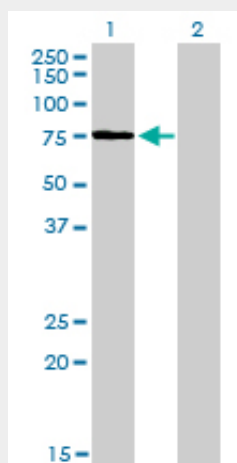
Immunoprecipitation of KIF2C transfected lysate using anti-KIF2C monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with KIF2C MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



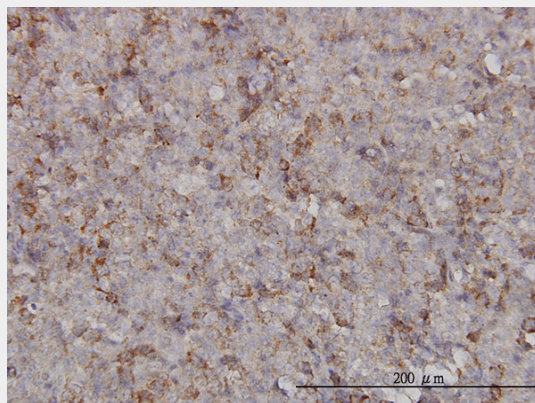
KIF2C monoclonal antibody (M01), clone 1G2 Western Blot analysis of KIF2C expression in Hela S3 NE ( (Cat # AT2621a )



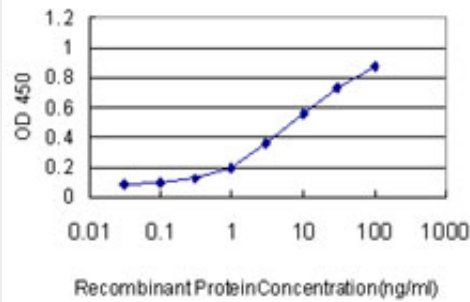
Western Blot analysis of KIF2C expression in transfected 293T cell line by KIF2C monoclonal antibody (M01), clone 1G2.

Lane 1: KIF2C transfected lysate(81.3 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to KIF2C on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged KIF2C is approximately 0.1ng/ml as a capture antibody.

### **KIF2C Antibody (monoclonal) (M01) - Background**

The protein encoded by this gene is a member of kinesin-like protein family. Proteins of this family are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. This protein is important for anaphase chromosome segregation and may be required to coordinate the onset of sister centromere separation.

### **KIF2C Antibody (monoclonal) (M01) - References**

1. Mitotic Rounding Alters Cell Geometry to Ensure Efficient Bipolar Spindle Formation. Lancaster OM, Le Berre M, Dimitracopoulos A, Bonazzi D, Zlotek-Zlotkiewicz E, Picone R, Duke T, Piel M, Baum B. *Dev Cell*. 2013 May 13;25(3):270-83. doi: 10.1016/j.devcel.2013.03.014. Epub 2013 Apr 25.
2. Functional and spatial regulation of the mitotic centromere-associated kinesin by cyclin-dependent kinase 1. Sanhaji M, Friel CT, Kreis NN, Kramer A, Martin C, Howard J, Strebhardt K, Yuan J. *Mol Cell Biol*. 2010 Apr 5. [Epub ahead of print]