

**ARG43051**  
anti-KIF15 antibodyPackage: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes KIF15
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KIF15
Species	Human
Immunogen	Recombinant protein corresponding to M1201-S1388 of Human KIF15.
Conjugation	Un-conjugated
Alternate Names	NY-BR-62; Kinesin-like protein 2; Serologically defined breast cancer antigen NY-BR-62; KNSL7; Kinesin-like protein KIF15; Kinesin-like protein 7; HKLP2; hKLP2

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000

**Application Note** IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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.

**Note** For laboratory research only, not for drug, diagnostic or other use.

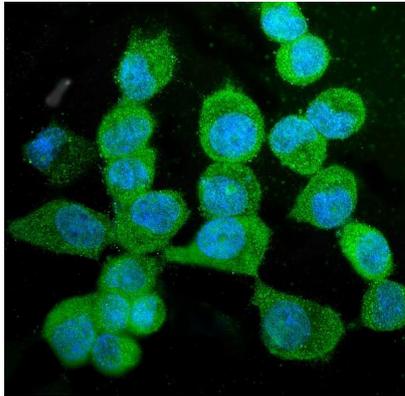
## Bioinformation

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Gene Symbol	KIF15
Gene Full Name	kinesin family member 15
Function	Plus-end directed kinesin-like motor enzyme involved in mitotic spindle assembly. [UniProt]
Calculated Mw	160 kDa
Cellular Localization	Cytoplasm. Cytoskeleton, spindle. Note=Detected during the interphase in the cytoplasm as finely punctuate pattern and irregularly shaped dots. Detected during mitosis on the mitotic spindle. Colocalizes with TPX2 in mitosis. Localizes at the central spindle at anaphase. Localizes at the sites of invaginating cell membranes, a position that corresponds to the location of the contractile actomyosin ring of dividing cells. Colocalizes with actin in interphase. [UniProt]

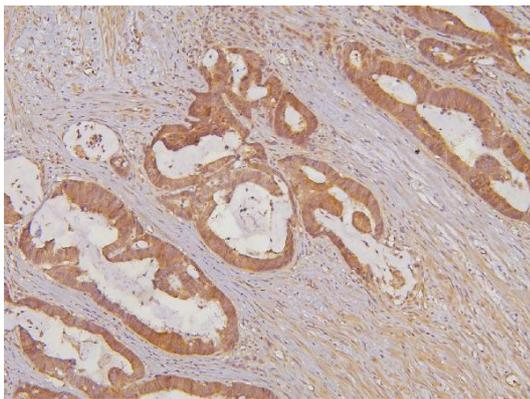
## Images

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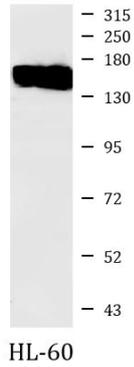
ARG43051 anti-KIF15 antibody ICC/IF image

Immunofluorescence: A431 cells were blocked with 10% goat serum and then stained with ARG43051 anti-KIF15 antibody (green) at 5 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



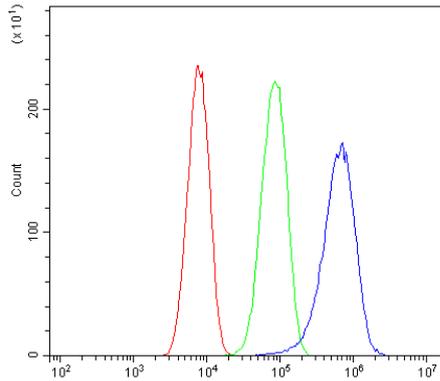
ARG43051 anti-KIF15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43051 anti-KIF15 antibody at 1 µg/ml dilution, overnight at 4°C.



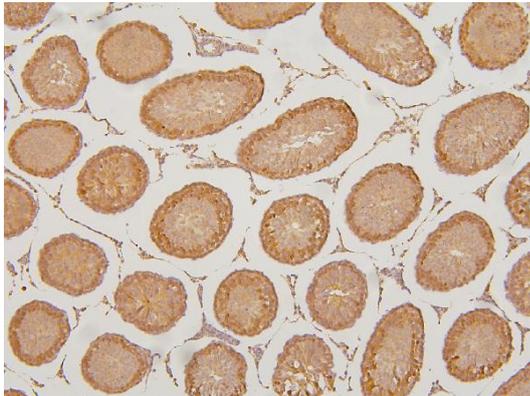
#### ARG43051 anti-KIF15 antibody WB image

Western blot: 50 µg of sample under reducing conditions. HL-60 whole cell lysate stained with ARG43051 anti-KIF15 antibody at 0.5 µg/ml dilution, overnight at 4°C.



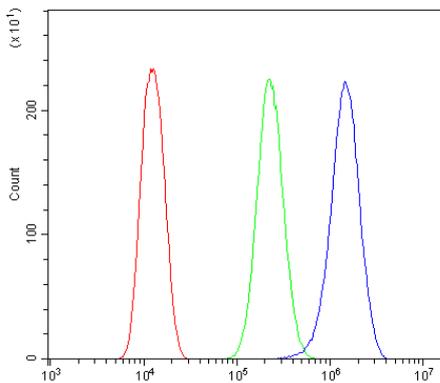
#### ARG43051 anti-KIF15 antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG43051 anti-KIF15 antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



#### ARG43051 anti-KIF15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat testis tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43051 anti-KIF15 antibody at 1 µg/ml dilution, overnight at 4°C.



#### ARG43051 anti-KIF15 antibody FACS image

Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG43051 anti-KIF15 antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.