

For Research Use Only

# KIF20A Monoclonal antibody

Catalog Number: 67190-1-Ig

Featured Product

10 Publications



## Basic Information

Catalog Number:

67190-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8916

GenBank Accession Number:

BC012999

GeneID (NCBI):

10112

UNIPROT ID:

O95235

Full Name:

kinesin family member 20A

Calculated MW:

890 aa, 100 kDa

Observed MW:

100 kDa

Purification Method:

Protein G purification

CloneNo.:

2A8E3

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

**WB** : HepG2 cells, HeLa cells, MG-63 cells, HEK-293 cells, Jurkat cells, HL-60 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, BT-549 cells, MDA-MB-468 cells

**IHC** : human breast cancer tissue, human pancreas cancer tissue

## Background Information

KIF20A, also known as RAB6KIFL or MKlp2, is a kinesin originally identified as a binding partner for the rab6 GTPase involved in protein transport at the Golgi apparatus. KIF20A belongs to a large family of motor proteins that accumulate in mitotic cells and is required for normal cell division. KIF20A is thought to be involved in carcinogenesis. In normal tissues KIF20A is almost undetectable while it is overexpressed in various cancers. KIF20A has been identified as a novel promising candidate for anticancer immunotherapy.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bingteng Xie	35648393	Cancer Res	IF
Quan Wan	40047299	Adv Sci (Weinh)	IHC
Leelabati Biswas	39006445	medRxiv	IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

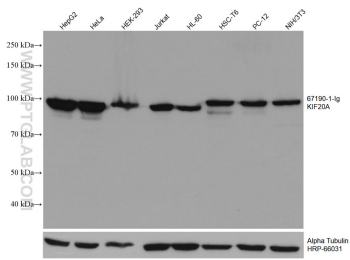
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

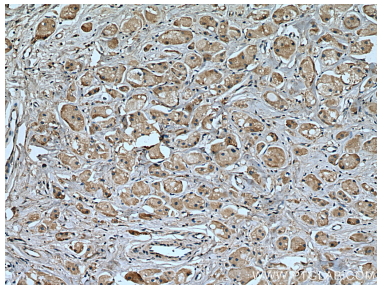
W: [ptgcn.com](http://ptgcn.com)

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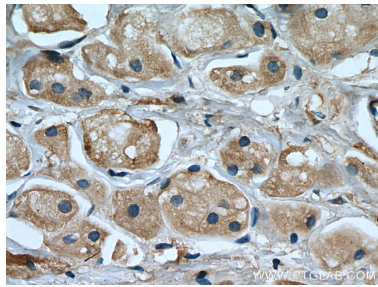
Selected Validation Data



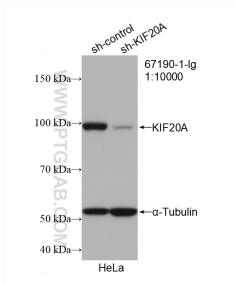
Various lysates were subjected to SDS PAGE followed by western blot with 67190-1-Ig (KIF20A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67190-1-Ig (KIF20A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67190-1-Ig (KIF20A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of KIF20A antibody (67190-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KIF20A transfected HeLa cells.