

For Research Use Only

KIF18B Polyclonal antibody, PBS Only

Catalog Number:33139-1-PBS



Basic Information

Catalog Number: 33139-1-PBS	GenBank Accession Number: BC136590	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 146909	
Source: Rabbit	UNIPROT ID: Q86Y91	
Isotype: IgG	Full Name: kinesin family member 18B	
Immunogen Catalog Number: AG36663	Calculated MW: 852 aa, 93 kDa/833 aa, 91 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
IP, Indirect ELISA

Species Specificity:
human

Background Information

KIF18B is a key member of the kinesin-8 family, involved in regulating various physiological processes such as microtubule length, spindle assembly, and chromosome alignment. This article briefly introduces the structure and physiological functions of KIF18B, examines its role in malignant tumors, and the associated carcinogenic signaling pathways such as PI3K/AKT, Wnt/ β -catenin, and mTOR pathways. Research indicates that the upregulation of KIF18B enhances tumor malignancy and resistance to radiotherapy and chemotherapy. KIF18B could become a new target for anticancer drugs, offering significant potential for the treatment of malignant tumors and reducing chemotherapy resistance (PMID: 39259333).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

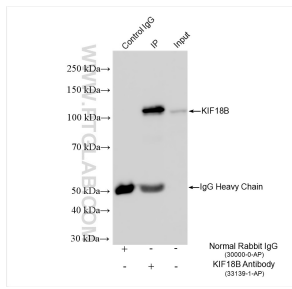
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

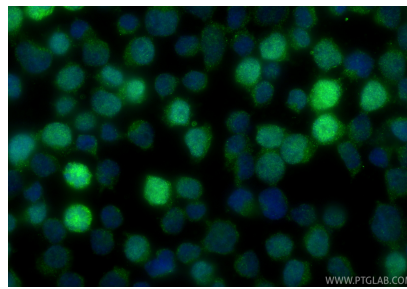
E: proteintech@ptglab.com
W: ptglab.com

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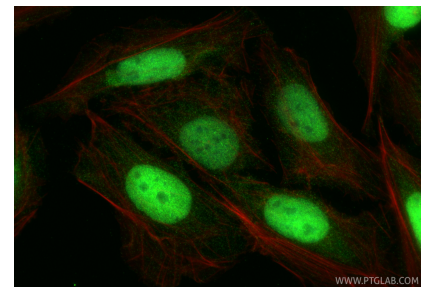
Selected Validation Data



IP result of anti-KIF18B (IP:33139-1-AP, 4ug; Detection:33139-1-AP 1:400) with Jurkat cells lysate 1360 ug. This data was developed using the same antibody clone with 33139-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using KIF18B antibody (33139-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 33139-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using KIF18B antibody (33139-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 33139-1-PBS in a different storage buffer formulation.