

For Research Use Only

KIF14 Recombinant antibody, PBS Only

Catalog Number: 85707-1-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
85707-1-PBS	BC113742	Protein A purification
Concentration:	GeneID (NCBI):	CloneNo.:
1 mg/ml	9928	243005B8
Source:	UNIPROT ID:	
Rabbit	Q15058	
Isotype:	Full Name:	
IgG	kinesin family member 14	
Immunogen Catalog Number:	Observed MW:	
AG23219	186 kDa	

Applications

Tested Applications:
WB, Indirect ELISA
Species Specificity:
human

Background Information

KIF14 (Kinesin Family Member 14) is a microtubule-based motor protein belonging to the kinesin-3 family. It plays essential roles during cell division and has been implicated in various biological processes, including vesicle transport, chromosome segregation, mitotic spindle formation, and cytokinesis. KIF14 is highly conserved across species and is characterized by a catalytic motor domain that binds to microtubules and ATP, enabling it to convert chemical energy into mechanical work. KIF14 interacts with the Skp1/Cul1/F-box (SCF) complex, particularly Skp2 and Cks1, to regulate the ubiquitination and degradation of p27Kip1. Knockdown of KIF14 results in the accumulation of p27Kip1, leading to cell cycle arrest and apoptosis. (PMID: 34131133, PMID: 24854087)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

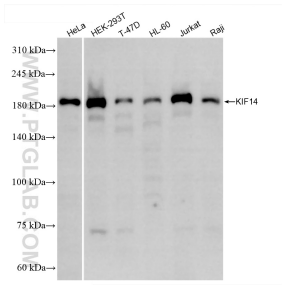
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85707-1-RR (KIF14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85707-1-PBS in a different storage buffer formulation.