

For Research Use Only

LIN54 Polyclonal antibody

Catalog Number: 26644-1-AP

1 Publications



Basic Information

Catalog Number: 26644-1-AP	GenBank Accession Number: BC109278	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 132660	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q6MZP7	
Isotype: IgG	Full Name: lin-54 homolog (C. elegans)	
Immunogen Catalog Number: AG24507	Calculated MW: 749 aa, 79 kDa	
	Observed MW: 79 kDa, 100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HepG2 cells, Jurkat cells
Cited Applications: WB	
Species Specificity: human	

Background Information

LIN54 is a component of the LINC/DREAM complex, an important regulator of cell cycle genes (PMID: 17671431; 19725879). The complex binds to more than 800 promoters in G0 phase and is required for repression of E2F target genes (PMID:17531812). In S phase, the complex binds to the promoters of G2/M genes whose products are required for mitosis and plays an important role in their cell cycle dependent activation (PMID:17671431). LIN54 has a DNA binding region (CXC-hinge-CXC, CHC domain), which consists of two cysteine-rich (CXC) domains separated by a short spacer. It has been reported that the CHC domain functions as a DNA binding domain, and conserved cysteine residues in two CXC domains are essential for DNA binding (PMID: 22895175). The calculated molecular weight of LIN54 is 79 kDa and an apparent molecular mass of 100-110 kDa has been reported (PMID: 17531812; 28920576; 17671431).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhenwei Ma	39239750	Int J Oncol	WB

Storage

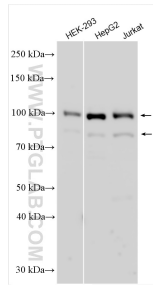
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Various lysates were subjected to SDS PAGE followed by western blot with 26644-1-AP (LIN54 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.