

For Research Use Only

LIN54 Polyclonal antibody

Catalog Number: 26644-1-AP

1 Publications



Basic Information

Catalog Number:

26644-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24507

GenBank Accession Number:

BC109278

GeneID (NCBI):

132660

UNIPROT ID:

Q6MZP7

Full Name:

lin-54 homolog (C. elegans)

Calculated MW:

749 aa, 79 kDa

Observed MW:

79 kDa, 100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HepG2 cells, Jurkat cells

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

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

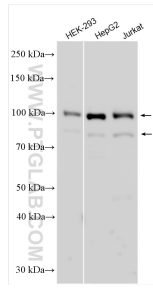
T: 4006900926

E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.