

For Research Use Only

# LHX2 Polyclonal antibody

Catalog Number: 18133-1-AP

Featured Product



## Basic Information

Catalog Number:

18133-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12717

GenBank Accession Number:

BC093662

GeneID (NCBI):

9355

UNIPROT ID:

P50458

Full Name:

LIM homeobox 2

Calculated MW:

406 aa, 44 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A549 cells, Jurkat cells, Daudi cells

## Background Information

LHX proteins can activate or repress gene transcription by direct DNA binding and association with co-activators or co-repressors through their LIM domain. The LIM homeobox 2 (LHX2), also known as LH2, is a member of the LIM homeodomain family of proteins. LHX2 functions as a nuclear transcription co-factor and is reported to be involved in many important physiological processes, such as cell division, cell proliferation, specific cell-type differentiation, and cerebral cortex development. LHX2 promotes the growth and metastasis of nasopharyngeal carcinoma by regulating Wnt signaling and plays a vital role in breast cancer's progression and prognosis (PMID: 37345110).

## 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:

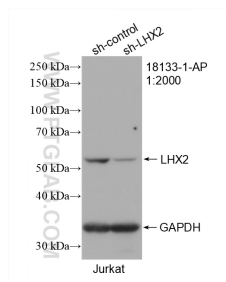
T: 4006900926

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

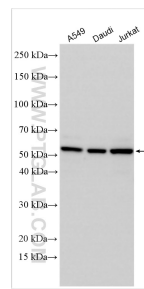
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



WB result of LHX2 antibody (18133-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LHX2 transfected Jurkat cells.



Various lysates were subjected to SDS PAGE followed by western blot with 18133-1-AP (LHX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.