

For Research Use Only

# LHX2 Polyclonal antibody

Catalog Number: 18133-1-AP

Featured Product



## Basic Information

<b>Catalog Number:</b> 18133-1-AP	<b>GenBank Accession Number:</b> BC093662	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9355	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> LIM homeobox 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 406 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG12717	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, Jurkat cells, Daudi cells
<b>Species Specificity:</b> human, mouse, rat	

## 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

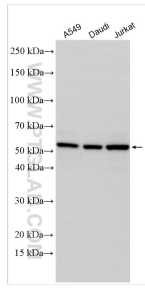
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

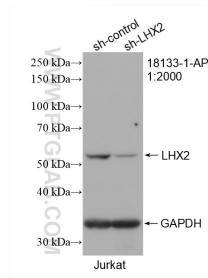
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 18133-1-AP (LHX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.