

For Research Use Only

# HLX Polyclonal antibody

Catalog Number: 14336-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 14336-1-AP	<b>GenBank Accession Number:</b> BC033808	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3142	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> H2.O-like homeobox	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 51 kDa	
<b>Immunogen Catalog Number:</b> AG5627	<b>Observed MW:</b> 51 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : human placenta tissue, IHC : human endometrial cancer tissue, IF : A549 cells,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

In immune system, Hlx is a Th1-special transcription factor that interacts specifically with T-bet, and synergistically they promote IFN- $\gamma$  expression when co-expressed. It can down-regulate the IL-4 receptor expression in naive CD4+ T cells [PMID:14688316]. Over expression of Hlx contributes to the aberrant expression of IFN- $\gamma$  in normal CD4+ T cells during the differentiation under Th2-polarizing conditions. In addition, Hlx is a negative regulator of IFN- $\gamma$  production in NK cells and its inhibitory function is achieved at least in part through the proteasomal degradation of STAT4 [PMID:16424184].

## Notable Publications

Author	Pubmed ID	Journal	Application
Ting Liu	26631039	Tumour Biol	WB, IHC

## Storage

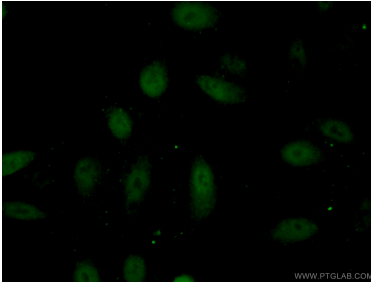
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

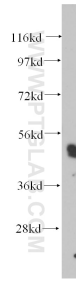
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

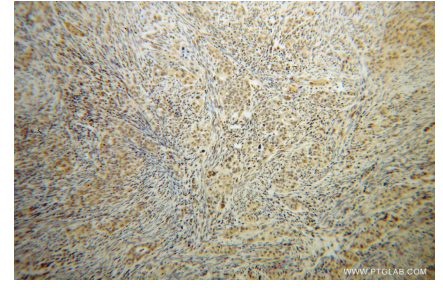
## Selected Validation Data



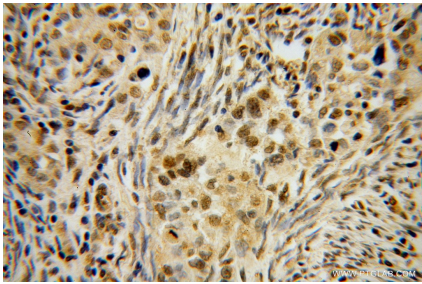
Immunofluorescent analysis of (4% PFA) fixed A549 cells using 14336-1-AP (HLX antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human placenta tissue were subjected to SDS PAGE followed by western blot with 14336-1-AP (HLX antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 14336-1-AP (HLX antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 14336-1-AP (HLX antibody) at dilution of 1:100 (under 40x lens).