

For Research Use Only

HLX Polyclonal antibody

Catalog Number: 14336-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

14336-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5627

GenBank Accession Number:

BC033808

GeneID (NCBI):

3142

UNIPROT ID:

Q14774

Full Name:

H2.O-like homeobox

Calculated MW:

51 kDa

Observed MW:

51 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : human placenta tissue,

IHC : human endometrial cancer tissue,

IF/ICC : A549 cells,

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- γ 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- γ in normal CD4+ T cells during the differentiation under Th2-polarizing conditions. In addition, Hlx is a negative regulator of IFN- γ 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

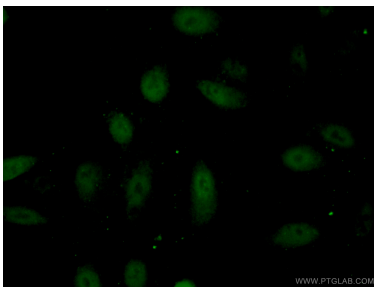
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

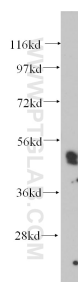
E: proteintech@ptglab.com
W: ptglab.com

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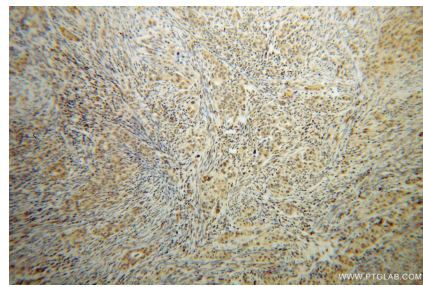
Selected Validation Data



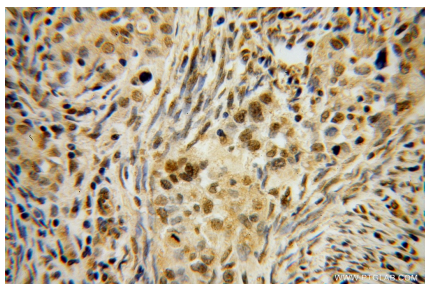
Immunofluorescent analysis of (4% PFA) fixed A549 cells using 14336-1-AP (HLX antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



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).