

HLX Polyclonal Antibody

Catalog number: 14336-1-AP

Size: 43 µg/150 µl

Source: Rabbit

Isotype: IgG

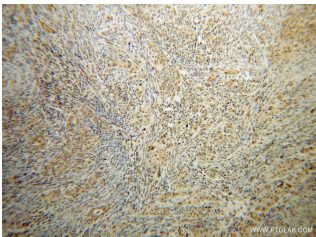
Synonyms:

HLX; H2.0 like homeobox, H2.0

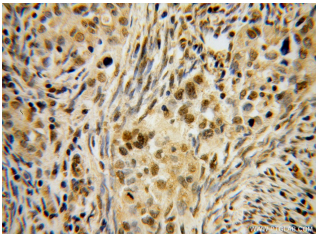
like homeobox protein, HB24,

HLX, HLX1, Homeobox protein

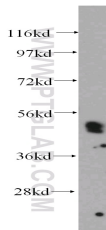
HB24, Homeobox protein HLX1



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



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



human placenta tissue were subjected to SDS PAGE followed by western blot with 14336-1-AP (HLX antibody) at dilution of 1:500

Background

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].

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated HLX MW:	51 kDa
Observed HLX MW:	50 kDa
Positive WB detected in	Human placenta tissue
Positive IHC detected in	Human endometrial cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5627
GenBank accession number:	BC033808
Gene ID (NCBI):	3142
Full name:	H2.0-like homeobox

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.