

LAIR1 Polyclonal antibody

Catalog Number: 13297-1-AP

Basic Information

Catalog Number: 13297-1-AP	GenBank Accession Number: BC027899	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3903	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q6GTX8	
Isotype: IgG	Full Name: leukocyte-associated immunoglobulin-like receptor 1	
Immunogen Catalog Number: AG4021	Calculated MW: 287 aa, 31 kDa	
	Observed MW: 40-50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : THP-1 cells, IHC : human ovary cancer tissue,
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

Leukocyte-associated immunoglobulin-like receptor 1 (LAIR1) is a transmembrane glycoprotein with a single immunoglobulin-like domain and a cytoplasmic tail containing two immune receptor tyrosine-based inhibitory motifs (PMID: 9285412). LAIR1 is expressed on the majority of human PBMCs, including NK, T, B, monocytes, and dendritic cells, as well as the majority of thymocytes (PMID: 10229813). It functions as an inhibitory receptor that plays a constitutive negative regulatory role on cytolytic function of NK cells, B cells and T cells. LAIR1 is a collagen receptor (PMID: 16754721). Tumor-expressed collagens can modulate immune cell function through the inhibitory collagen receptor LAIR1 (PMID: 21955987).

Storage

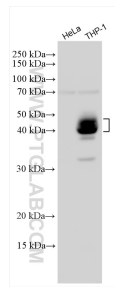
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

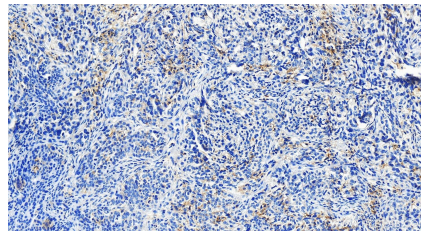
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



HeLa cells (LAIR1 negative) and THP-1 cells were subjected to SDS PAGE followed by western blot with 13297-1-AP (LAIR1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 13297-1-AP (LAIR1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).