

For Research Use Only

IL-4I1 Polyclonal antibody

Catalog Number: 23048-1-AP

1 Publications



Basic Information

Catalog Number: 23048-1-AP	GenBank Accession Number: BC131625	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 259307	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q96RQ9	
Isotype: IgG	Full Name: interleukin 4 induced 1	
Immunogen Catalog Number: AG19136	Calculated MW: 567 aa, 63 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells, mouse liver tissue
Cited Applications: IF	IF/ICC : HeLa cells,
Species Specificity: human, mouse	
Cited Species: human	

Background Information

Interleukin-4 Induced Gene 1 (IL4I1) is a secreted L-phenylalanine oxidase mainly produced by inflammatory antigen-presenting cells-in particular, macrophages present in T helper type 1 granulomas and in various types of tumors. In the last decade, it has been shown that IL4I1 is involved in the fine control of B- and T-cell adaptive immune responses. Preclinical models have revealed its role in cancer immune evasion. Recent clinical data highlight IL4I1 as a new potential prognostic marker in human melanoma. As a secreted enzyme, IL4I1 may represent an easily targetable molecule for cancer immunotherapy. IL4I1 protein has an estimated molecular weight of 75 kDa. (PMID: 31330829, PMID: 21469114)

Notable Publications

Author	Pubmed ID	Journal	Application
Shenghua Liu	39702554	Commun Biol	IF

Storage

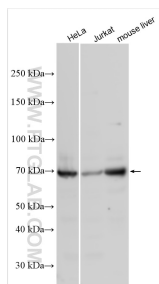
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

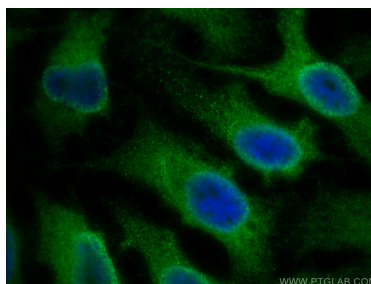
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23048-1-AP (IL-4I1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using IL-4I1 antibody (23048-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).