

For Research Use Only

LAG-3 Polyclonal antibody

Catalog Number: 16616-1-AP **10 Publications**



Basic Information

Catalog Number: 16616-1-AP	GenBank Accession Number: BC052589	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 3902	Recommended Dilutions: IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: P18627	IHC 1:1000-1:4000
Isotype: IgG	Full Name: Lymphocyte-activation gene 3	IF 1:50-1:500
Immunogen Catalog Number: AG9909	Calculated MW: 525 aa, 57 kDa	
	Observed MW: 54 kDa, 60-65 kDa	

Applications

Tested Applications: IF-P, IHC, IP, ELISA	Positive Controls:
Cited Applications: WB, IF, IHC	IP: mouse liver tissue,
Species Specificity: human, mouse, rat	IHC: human tonsillitis tissue,
Cited Species: human, mouse	IF: human tonsillitis 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

LAG-3, also known as CD223, is an immune checkpoint molecule that regulates both T-cell activation and homeostasis. LAG-3 is expressed on activated T cells, NK cells, regulatory T cells, and plasmacytoid dendritic cells. It is a CD4-related molecule that binds MHC class II. LAG-3 plays an important role in modulating T cell expansion and function, and blockade of LAG-3 with monoclonal antibodies can augment T cell function. (PMID: 15634887; 21086108; 28783703)

Notable Publications

Author	Pubmed ID	Journal	Application
Yigang Zhang	34164523	Ann Transl Med	IHC
Pei Yang	33576871	Cancer Immunol Immunother	WB
Jiajia Ma	36561512	Front Oncol	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

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

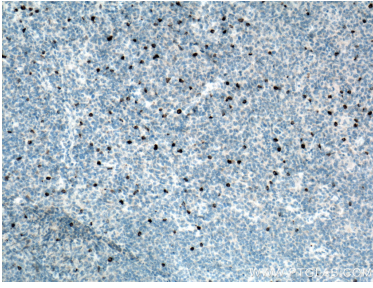
T: 4006900926

E: Proteintech-CN@ptglab.com

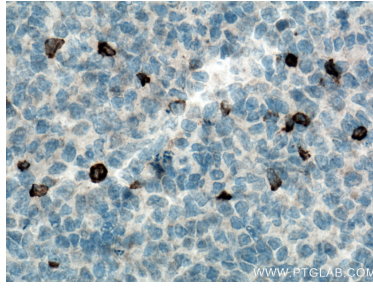
W: ptgcn.com

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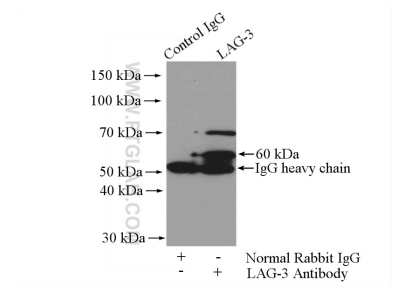
Selected Validation Data



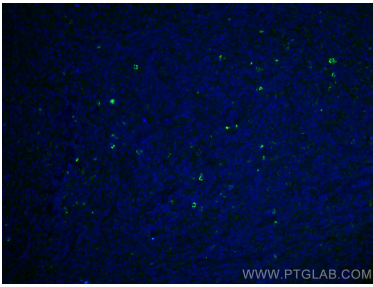
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16616-1-AP (LAG-3 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



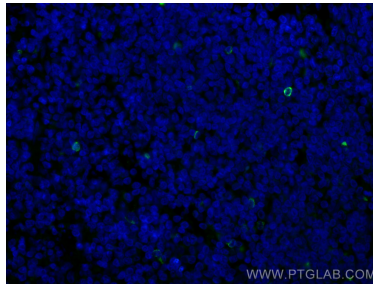
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16616-1-AP (LAG-3 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-LAG-3 (IP:16616-1-AP, 4ug; Detection:16616-1-AP 1:500) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using LAG-3 antibody (16616-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using LAG-3 antibody (16616-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).