

For Research Use Only

ICOSLG Polyclonal antibody

Catalog Number: 14922-1-AP **2 Publications**



Basic Information

Catalog Number: 14922-1-AP	GenBank Accession Number: BC064637	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 23308	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O75144	
Isotype: IgG	Full Name: inducible T-cell co-stimulator ligand	
Immunogen Catalog Number: AG6392	Calculated MW: 33 kDa, 34 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Daudi cells, JAR cells IHC : human tonsillitis tissue,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	
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

ICOSLG, also known as B7H2 or GL50, is a type I transmembrane glycoprotein belonging to the B7 ligand family. ICOSLG is extensively expressed on professional antigen-presenting cells including B cells, macrophages, and dendritic cells, as well as non-lymphoid cells including mesenchymal stem cells, endothelial cells, fibroblasts, and tumor cells (PMID: 33756276; 35800767). It is a specific ligand for the T-cell-specific cell surface receptor ICOS and acts as a co-stimulatory molecule (PMID: 11023515; 11007762). The interaction of ICOSLG and ICOS plays important roles in the activation, proliferation, differentiation, and cytokine production of T cells as well as in the antibody secretion from B cells during secondary immune responses (PMID: 21851236).

Notable Publications

Author	Pubmed ID	Journal	Application
Chungui Xu	36272708	Cell Mol Gastroenterol Hepatol	IHC
Ha-Yeon Shin	35159096	Cancers (Basel)	IHC

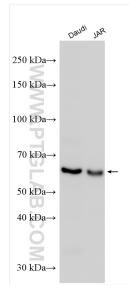
Storage

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

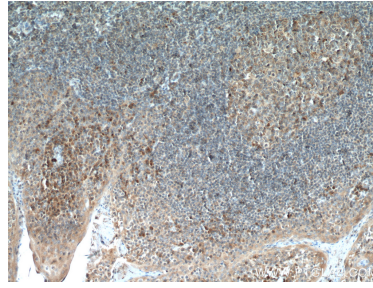
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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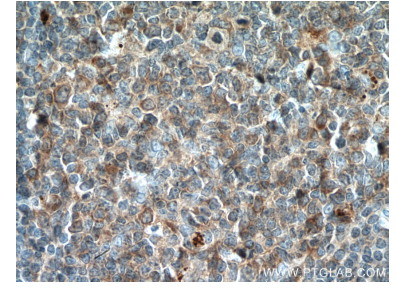
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14922-1-AP (ICOSLG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14922-1-AP (ICOSLG antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14922-1-AP (ICOSLG antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).