

For Research Use Only

CD97 Polyclonal antibody

Catalog Number: 13071-1-AP



Basic Information

Catalog Number: 13071-1-AP	GenBank Accession Number: BC026690	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 240 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 976	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P48960	
Isotype: IgG	Full Name: CD97 molecule	
Immunogen Catalog Number: AG3745	Calculated MW: 722 aa, 79 kDa	
	Observed MW: 75-85 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, K-562 cells, U-937 cells, Jurkat cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue, human lymphoma tissue

Background Information

CD97 is a member of the seven-trans-membrane subfamily of the class B G protein-coupled receptor (GPCR) group of the epidermal growth factor (EGF) and is present on the surface of lymphocytes, monocytes, macrophages, dendritic cells, granulocytes, and smooth muscle, being a dimeric glycoprotein with a 75-90 kDa intracellular domain and a 28 kDa extracellular domain (PMID: 23969601). It plays a vital role in cell adhesion, migration, and cell connection regulation (PMID: 36464675). CD97 is expressed on T-cells, but rarely on B cells. CD97 might play key roles in cellular adhesion, through connections with other proteins of the cell surface and of the extracellular matrix (PMID: 32781778).

Storage

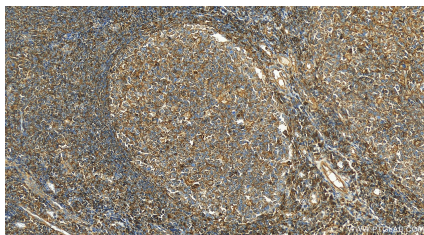
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

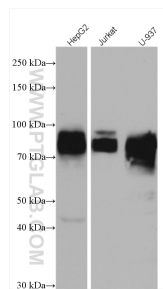
For technical support and original validation data for this product please contact:
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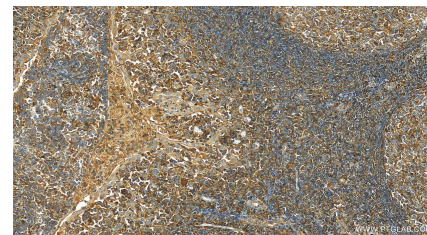
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13071-1-AP (CD97 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 13071-1-AP (CD97 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13071-1-AP (CD97 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).