

For Research Use Only

CD82 Polyclonal antibody

Catalog Number: 10248-1-AP **4 Publications**



Basic Information

Catalog Number: 10248-1-AP	GenBank Accession Number: BC000726	Purification Method: Antigen affinity purification
Size: 230 µg/ml	GeneID (NCBI): 3732	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P27701	
Isotype: IgG	Full Name: CD82 molecule	
Immunogen Catalog Number: AG0314	Calculated MW: 30 kDa	
	Observed MW: 30-34 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : K-562 cells, mouse brain tissue
Cited Applications: WB, IF, IHC	IHC : human tonsillitis tissue, human breast cancer tissue, human thyroid cancer tissue
Species Specificity: human, mouse	
Cited Species: human, mouse	
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

CD82 is a membrane glycoprotein and belongs to the tetraspanin superfamily, many of which are implicated in the regulation of cell motility, morphology, fusion, signaling, fertilization, and differentiation. CD82 was originally identified as a suppressor of metastasis located on human chromosome 11p11.2 in prostate carcinoma. The majority of evidence indicates that CD82 expression is downregulated or abolished in a variety of malignant tumors. CD82 is present at high levels in human monocyte and macrophage lineages and in various epithelial cells in the prostate, lung, pancreas and many other tissues. In epithelial cells, CD82 is implicated in diverse biological processes such as cell adhesion, migration, apoptosis and morphogenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Thammineni Krishna Latha	31759355	Asian Pac J Cancer Prev	IHC
Zhengxiang Wang	33376521	Oncol Lett	WB
Joshua Seun Olajide	37759313	Parasit Vectors	WB

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:

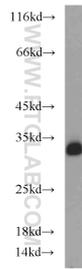
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E: Proteintech-CN@ptglab.com

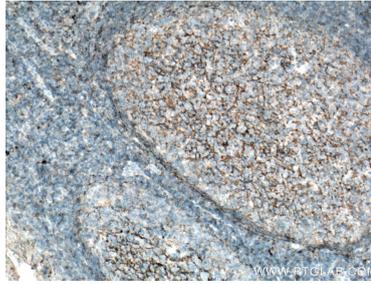
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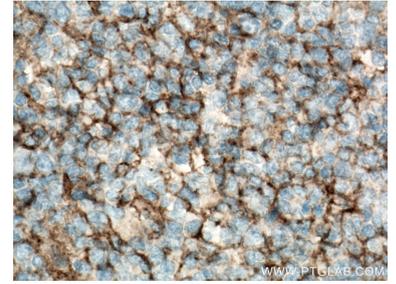
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 10248-1-AP (CD82 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10248-1-AP (CD82 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 10248-1-AP (CD82 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).