

For Research Use Only

# CD82 Polyclonal antibody

Catalog Number: 10248-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 10248-1-AP	<b>GenBank Accession Number:</b> BC000726	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 230 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3732	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> CD82 molecule	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 30 kDa	
<b>Immunogen Catalog Number:</b> AG0314	<b>Observed MW:</b> 30-34 kDa	

## Applications

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

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

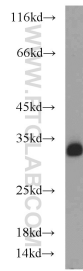
## Storage

**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

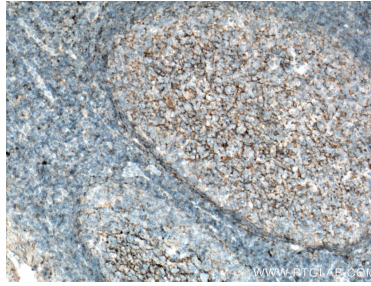
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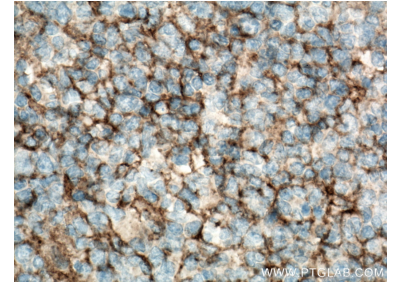
## Selected Validation Data



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).