

For Research Use Only

# GPR65 Polyclonal antibody, PBS Only

Catalog Number:20306-1-PBS



## Basic Information

**Catalog Number:**

20306-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG14139

**GenBank Accession Number:**

BC035633

**GeneID (NCBI):**

8477

**UNIPROT ID:**

Q8IYL9

**Full Name:**

G protein-coupled receptor 65

**Calculated MW:**

337 aa, 39 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

IHC, Indirect ELISA

**Species Specificity:**

human

## Background Information

GPR65 (G protein-coupled receptor 65) was defined originally as T-cell death-associated gene 8 (TDAG8), functions as a proton-sensing receptor, and is also sensitive to psychosine (PMID: 35343079). GPR65 promotes adaptation to an acidic environment to enhance cell survival and proliferation, thereby promoting tumor development (PMID: 36852075).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

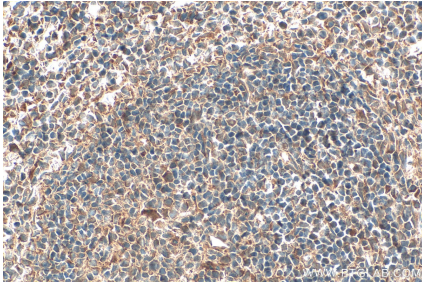
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

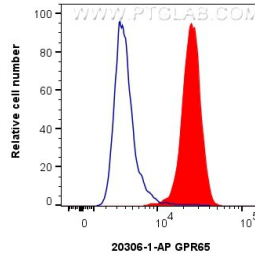
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

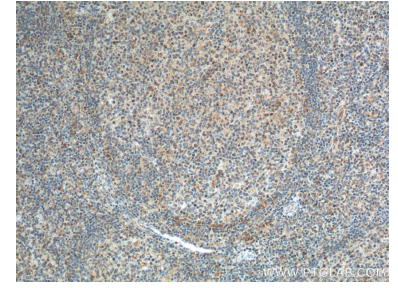
## Selected Validation Data



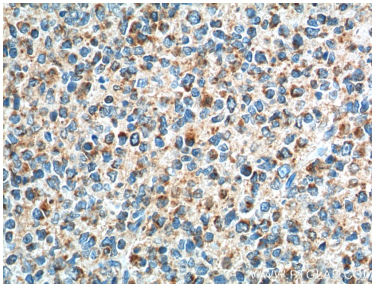
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 20306-1-AP (GPR65 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20306-1-PBS in a different storage buffer formulation.



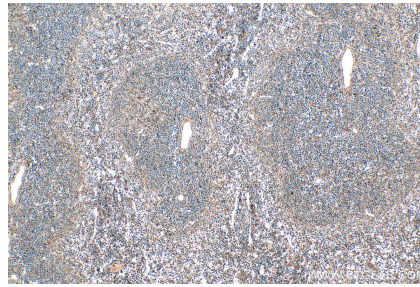
$1 \times 10^6$  RAW 264.7 cells were intracellularly stained with 0.5  $\mu$ g GPR65 Polyclonal antibody (20306-1-AP) and CoraLite<sup>®</sup>488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.5  $\mu$ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 20306-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20306-1-AP (GPR65 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20306-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20306-1-AP (GPR65 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20306-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 20306-1-AP (GPR65 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20306-1-PBS in a different storage buffer formulation.