

For Research Use Only

# TMEM268 Polyclonal antibody, PBS Only

Catalog Number: 28179-1-PBS



## Basic Information

Catalog Number:

28179-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26867

GenBank Accession Number:

BC107134

GeneID (NCBI):

203197

UNIPROT ID:

Q5VZ13

Full Name:

chromosome 9 open reading frame 91

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

IP, Indirect ELISA

Species Specificity:

human

## Background Information

TMEM268 (Transmembrane Protein 268) is a membrane protein containing two transmembrane domains. It is primarily localized to the plasma membrane and is widely expressed in various tissues and cell types. This protein influences cell adhesion, cytoskeletal remodeling, and cell migration by regulating the stability of ITGB4 (integrin  $\beta$  4). In cancer research, TMEM268 is significantly overexpressed in gastric cancer, where it promotes tumor cell proliferation, adhesion, and metastasis. It serves as an independent prognostic marker for thyroid cancer, and its high expression is closely associated with poor patient survival. In the immune system, TMEM268 interacts with CD11b, regulates the  $\beta$  2 integrin signaling pathway, and participates in innate immune responses and pathogen clearance; its deficiency leads to increased susceptibility to sepsis. Furthermore, this protein has been identified as a component of the microglial membrane proteome, suggesting a potential role in neuroimmunology, and represents a potential therapeutic target for cancer and immune-related diseases.

## Storage

Storage:

Store at  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:

PBS only, pH7.3

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

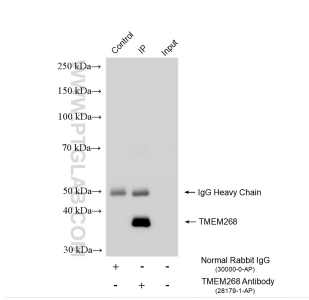
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



IP result of anti-TMEM268 (IP:28179-1-AP, 4ug; Detection:28179-1-AP 1:300) with T-47D cells lysate 1120 ug. This data was developed using the same antibody clone with 28179-1-PBS in a different storage buffer formulation.