

For Research Use Only

TMEM268 Polyclonal antibody

Catalog Number: 28179-1-AP



Basic Information

Catalog Number: 28179-1-AP	GenBank Accession Number: BC107134	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 203197	Recommended Dilutions: IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	UNIPROT ID: Q5VZL3	
Immunogen Catalog Number: AG26867	Full Name: chromosome 9 open reading frame 91	
	Observed MW: 38 kDa	

Applications

Tested Applications: IP, ELISA	Positive Controls: IP: T-47D cells,
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 β 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 β 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

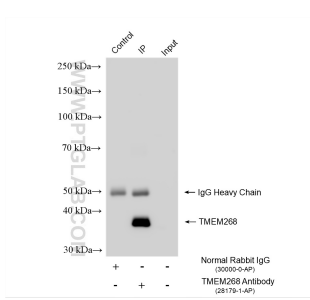
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.