

For Research Use Only

TMEM45A Polyclonal antibody, PBS Only

Catalog Number: 27534-1-PBS



Basic Information

Catalog Number: 27534-1-PBS	GenBank Accession Number: BC040355	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 55076	
Source: Rabbit	UNIPROT ID: Q9NWC5	
Isotype: IgG	Full Name: transmembrane protein 45A	
Immunogen Catalog Number: AG24392	Observed MW: 70-75 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

TMEM45A, also known as DERP7, DNATP4, or FLJ10134, is a transmembrane protein belonging to the TMEM family. TMEM45A is highly expressed in keratinocytes and its expression correlates with keratinization, suggesting a role in normal epidermal physiology (PMID: 22954140; PMID: 24689342). TMEM45A promotes cell proliferation, migration, and invasion in glioblastoma cells, favors epithelial-mesenchymal transition (EMT) in colorectal cancer and promotes cell proliferation by favoring the G1/S cell cycle transition in ovarian cancer cells (PMID: 37936608). The predicted molecular weight of TMEM45A is 32 kDa, and 66-98 kDa has been reported in the literature (PMID: 22954140).

Storage

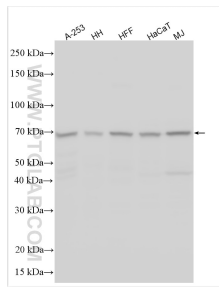
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

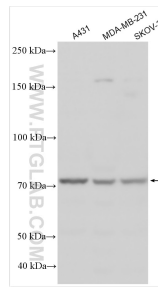
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27534-1-AP (TMEM45A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27534-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 27534-1-AP (TMEM45A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27534-1-PBS in a different storage buffer formulation.