

For Research Use Only

TMEM45A Polyclonal antibody

Catalog Number: 27534-1-AP



Basic Information

Catalog Number:

27534-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24392

GenBank Accession Number:

BC040355

GeneID (NCBI):

55076

UNIPROT ID:

Q9NWC5

Full Name:

transmembrane protein 45A

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A-253 cells, A431 cells, MDA-MB-231 cells, SKOV-3 cells, HH cells, HFF cells, HaCaT cells, MJ cells

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 -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

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

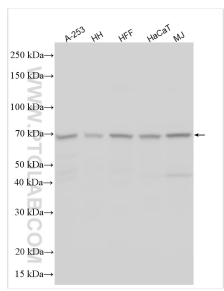
T: 4006900926

E: Proteintech-CN@ptglab.com

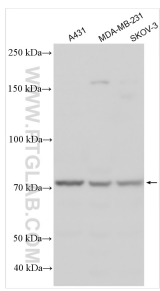
W: ptgcn.com

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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.



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.