TMEM45A Polyclonal antibody

Catalog Number:27534-1-AP

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Basic Information

Catalog Number:
27534-1-AP

Size:
150ul , Concentration: 700 ug/ml by Nanodrop;

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, DNAPTP4, 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℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
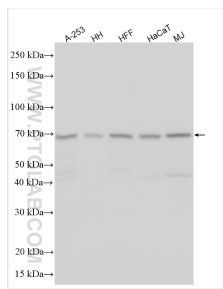Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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.
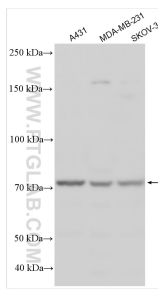
Various lysates were subjected to SDS PAGE followed by western blot with 27534-1-AP (TMEM45A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.