Anti-TMEM106C Antibody

HA500625

Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	IHC-P
Molecular Wt:	Predicted band size: 28 kDa

Description: TMEM106C is a gene that encodes the transmembrane protein 106C (TMEM106C) in Homo sapiens It has been found to be overexpressed in cancer cells and also is related to distal arthrogryposis, a condition of stiff joints and irregular muscle development. The TMEM106C gene contains a domain of unknown function, DUF1356, that spans most of the protein. Transmembrane protein 106C also goes by the aliases MGC5576 or MGC111210, LOC79022.

Positive control: Human liver cancer tissue, human parathyroid gland tissue.

Subcellular location: Endoplasmic reticulum membrane, Membrane.

Database links: SwissProt: Q9BVX2 Human

Recommended Dilutions:

IHC-P 1:500-1:2,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.

Purity: Immunogen affinity purified.

Images

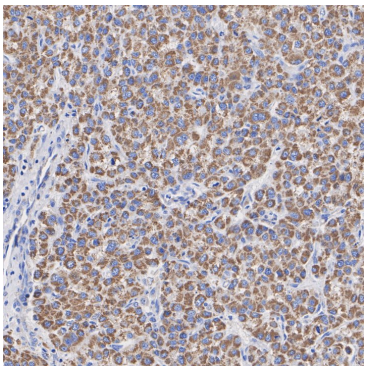

Fig1: Immunohistochemical analysis of paraffin-embedded human liver cancer tissue with Rabbit anti-TMEM106C antibody (HA500625) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH_2O and PBS, and then probed with the primary antibody (HA500625) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

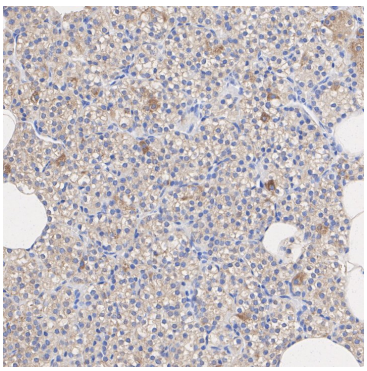

Fig2: Immunohistochemical analysis of paraffin-embedded human parathyroid gland tissue with Rabbit anti-TMEM106C antibody (HA500625) at 1/500 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH_2O and PBS, and then probed with the primary antibody (HA500625) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Background References

1. Duan J et al. TMEM106C contributes to the malignant characteristics and poor prognosis of hepatocellular carcinoma. Aging (Albany NY). 2021 Feb
2. Jiang C et al. LINC00238 inhibits hepatic carcinoma progression by activating TMEM106C-mediated apoptosis pathway. Mol Med Rep. 2021 Nov