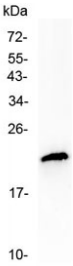
TMEM107 Antibody (R32772)

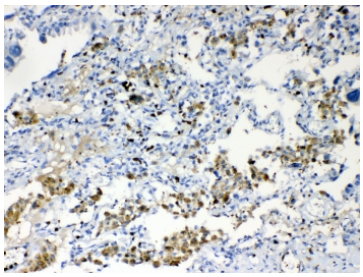
Catalog No.	Formulation	Size
R32772	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

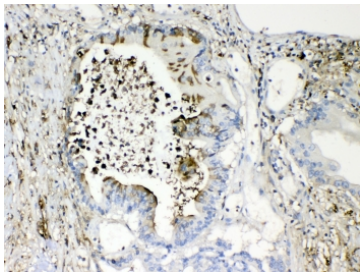
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q6UX40
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This TMEM107 antibody is available for research use only.



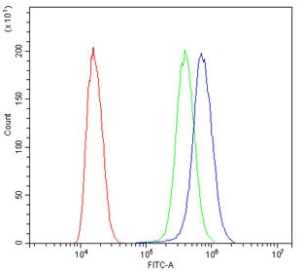
Western blot testing of human MCF7 cell lysate with TMEM107 antibody at 0.5ug/ml. Predicted molecular weight ~16 kDa, routinely observed at ~19 kDa.



IHC testing of FFPE human lung cancer tissue with TMEM107 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human intestinal cancer tissue with TMEM107 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Flow cytometry testing of human SiHa cells with TMEM107 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TMEM107 antibody.

Description

Cilia are dynamic signaling organelles essential for developmental patterning, including left-right specification, skeletal formation, neural development, and organogenesis. TMEM107 is predicted to be critical for cilia formation and signaling in a subset of embryonic tissues. Based on an alignment of the TMEM107 sequence with the genomic sequence (GRCh38), the gene was mapped to chromosome 17p13.1.

Application Notes

Optimal dilution of the TMEM107 antibody should be determined by the researcher.

Immunogen

Amino acids 22-57 (VITLFWSRDSNIQACLPLTFTPEEYDKQDIQLVAAL) from the human protein were used as the immunogen for the TMEM107 antibody.

Storage

After reconstitution, the TMEM107 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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