

## TMEM107 Antibody (R32772)

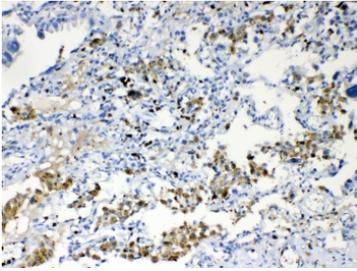
Catalog No.	Formulation	Size
R32772	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

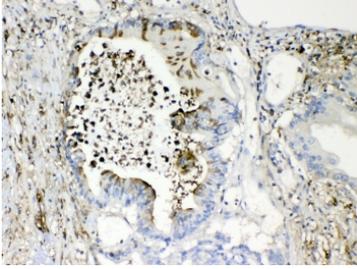
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide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



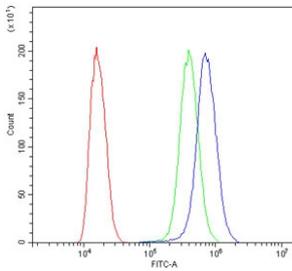
Western blot testing of human MCF7 cell lysate with TMEM107 antibody at 0.5ug/ml.  
Predicted molecular weight ~16 kDa, routinely observed at ~19 kDa.



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<sup>6</sup> 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.

