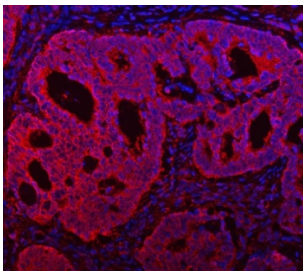


## TMC7 Antibody / Transmembrane channel-like protein 7 (RQ7558)

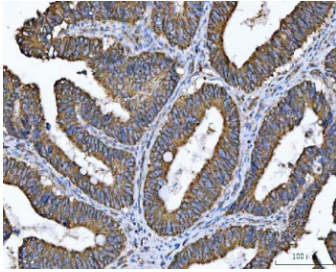
Catalog No.	Formulation	Size
RQ7558	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

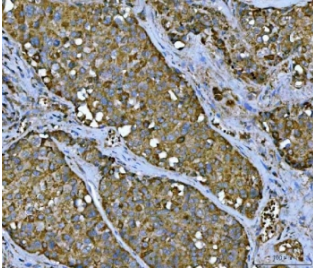
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q7Z402
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This TMC7 antibody is available for research use only.



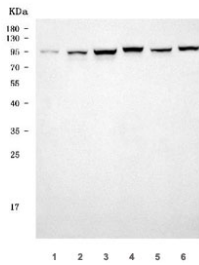
Immunofluorescent staining of FFPE human intestinal cancer with TMC7 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



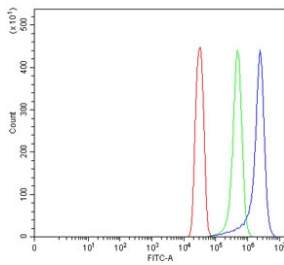
IHC staining of FFPE human colorectal adenocarcinoma tissue with TMC7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with TMC7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HaCaT, 2) human HepG2, 3) human U-87 MG, 4) rat testis, 5) rat C6 and 6) mouse RAW264.7 cell lysate with TMC7 antibody. Predicted molecular weight ~84 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human SiHa cells with TMC7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TMC7 antibody.

## Description

Predicted to enable mechanosensitive ion channel activity. Predicted to be involved in ion transmembrane transport. Predicted to be integral component of plasma membrane.

## Application Notes

Optimal dilution of the TMC7 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids A8-N723) was used as the immunogen for the TMC7 antibody.

## Storage

After reconstitution, the TMC7 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

