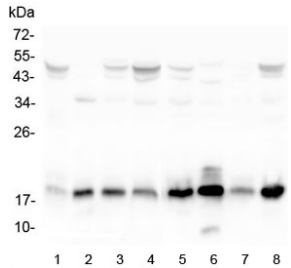
TIMM17A Antibody (RQ4949)

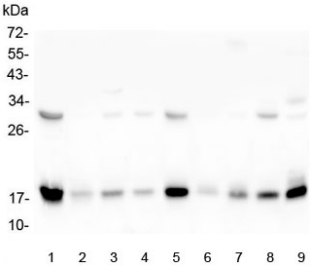
Catalog No.	Formulation	Size
RQ4949	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

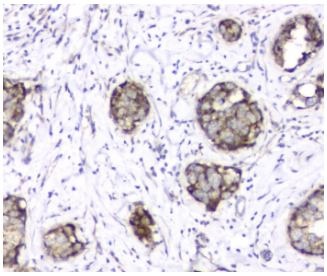
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q99595
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/10^6 cells Immunofluorescence/Immunocytochemistry: 2-4ug/ml
Limitations	This TIMM17A antibody is available for research use only.



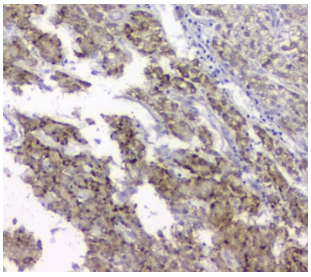
Western blot testing of human 1) placenta, 2) K562, 3) T-47D, 4) Caco-2, 5) HeLa, 6) ThP-1, 7) A431 and 8) A549 lysate with TIMM17A antibody at 0.5ug/ml. Predicted molecular weight ~18 kDa.



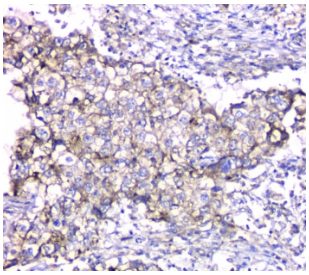
Western blot testing of 1) rat heart, 2) rat lung, 3) rat liver, 4) rat brain, 5) mouse heart, 6) mouse lung, 7) mouse liver, 8) mouse brain and 9) mouse Neuro-2a lysate with TIMM17A antibody at 0.5ug/ml. Predicted molecular weight ~18 kDa.



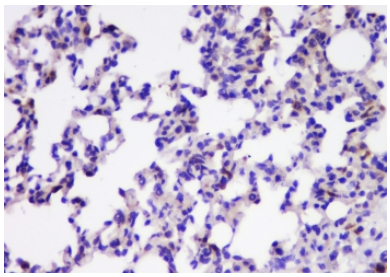
IHC staining of FFPE human breast cancer with TIMM17A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



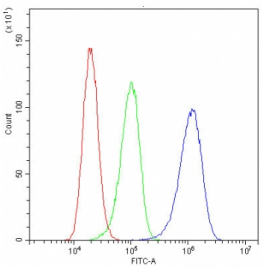
IHC staining of FFPE human liver cancer with TIMM17A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



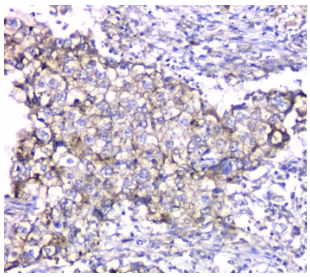
IHC staining of FFPE human lung cancer with TIMM17A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



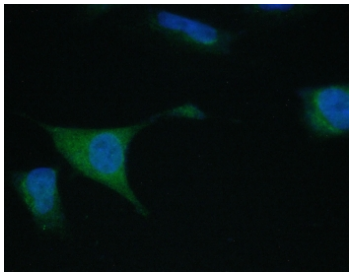
IHC staining of FFPE rat lung with TIMM17A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



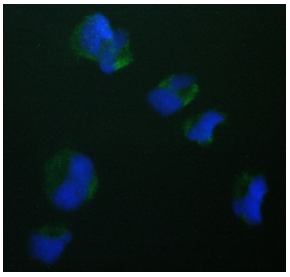
Flow cytometry testing of human A431 cells with TIMM17A antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TIMM17A antibody.



IHC staining of FFPE mouse lung tissue with TIMM17A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IF/ICC staining of FFPE human A549 cells with TIMM17A antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IF/ICC staining of FFPE human HeLa cells with TIMM17A antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

Mitochondrial import inner membrane translocase subunit Tim17-A is an enzyme that in humans is encoded by the TIMM17A gene. It is mapped to 1q32.1. TIM17 is a conserved suppressor of mtDNA instability, and overexpression of TIMM17A can prevent mtDNA loss in a human cellular model of mitochondrial disease.

Application Notes

Optimal dilution of the TIMM17A antibody should be determined by the researcher.

Immunogen

Amino acids LFSMIDCSMVQVRGKED from the human protein were used as the immunogen for the TIMM17A antibody.

Storage

After reconstitution, the TIMM17A 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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