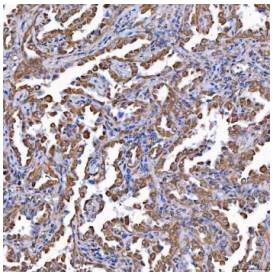
TOMM34 Antibody / Translocase of outer membrane 34 kDa subunit (RQ7578)

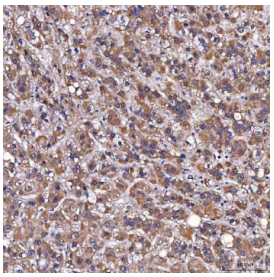
Catalog No.	Formulation	Size
RQ7578	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

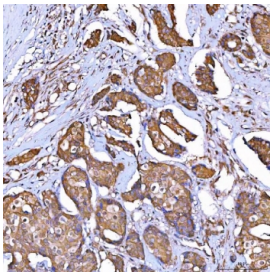
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15785
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This TOMM34 antibody is available for research use only.



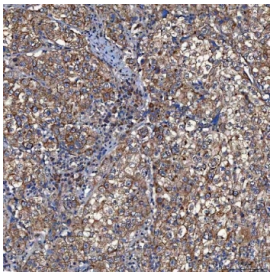
IHC staining of FFPE human lung cancer tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



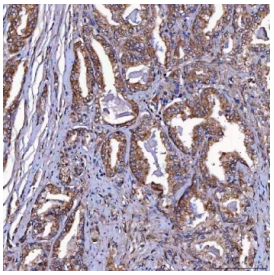
IHC staining of FFPE human liver cancer tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



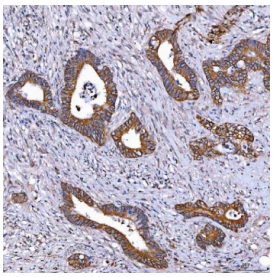
IHC staining of FFPE human breast cancer tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



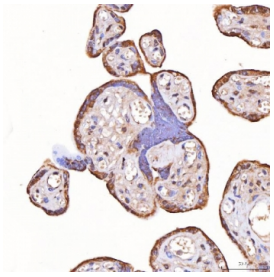
IHC staining of FFPE human cervical cancer tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



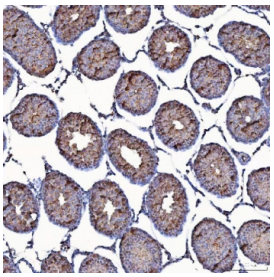
IHC staining of FFPE human prostate cancer tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



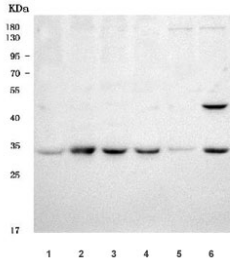
IHC staining of FFPE human colon cancer tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



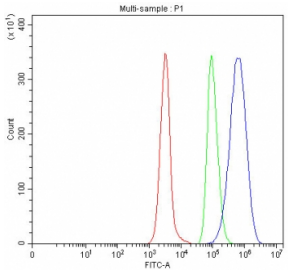
IHC staining of FFPE human placental tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat testis tissue with TOMM34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human A549, 2) human A375, 3) human HeLa, 4) human 293T, 5) rat testis and 6) mouse testis tissue lysate with TOMM34 antibody. Predicted molecular weight ~34 kDa.



Flow cytometry testing of human Daudi cells with TOMM34 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TOMM34 antibody.

Description

Mitochondrial import receptor subunit TOM34 is a protein that in humans is encoded by the TOMM34 gene. The protein encoded by this gene is involved in the import of precursor proteins into mitochondria. The encoded protein has a chaperone-like activity, binding the mature portion of unfolded proteins and aiding their import into mitochondria. This protein, which is found in the cytoplasm and sometimes associated with the outer mitochondrial membrane, has a weak ATPase activity and contains 6 TPR repeats.

Application Notes

Optimal dilution of the TOMM34 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-H309) was used as the immunogen for the TOMM34 antibody.

Storage

After reconstitution, the TOMM34 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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