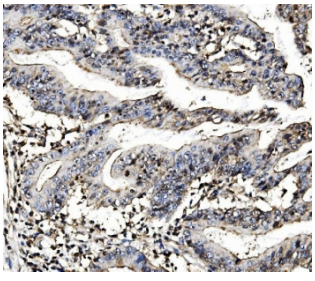
MORC3 Antibody (RQ6060)

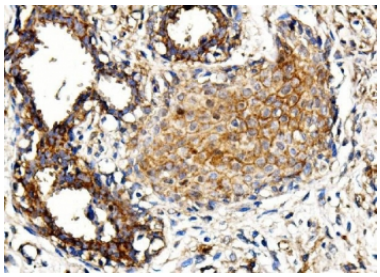
Catalog No.	Formulation	Size
RQ6060	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

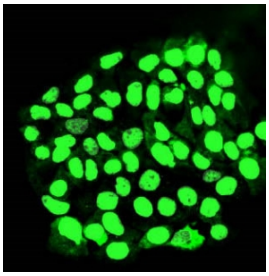
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q14149
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This MORC3 antibody is available for research use only.



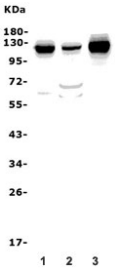
IHC staining of FFPE human rectal cancer with MORC3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



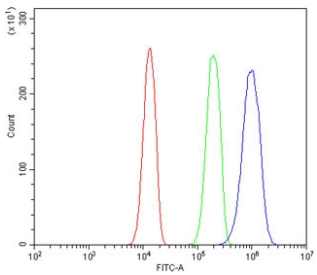
IHC staining of FFPE human breast cancer with MORC3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A431 cells with MORC3 antibody (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat heart, 2) rat liver and 3) mouse heart lysate with MORC3 antibody. Expected molecular weight: 107-130 kDa depending on level of SUMOylation.



Flow cytometry testing of human A431 cells with MORC3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MORC3 antibody.

Description

MORC family CW-type zinc finger protein 3 is a protein that in humans is encoded by the MORC3 gene. This gene is mapped to 21q22.12. This gene encodes a protein that localizes to the nuclear matrix and forms nuclear bodies via an ATP-dependent mechanism. The protein is predicted to have coiled-coil and zinc finger domains and has RNA binding activity. Alternative splicing produces multiple transcript variants encoding distinct isoforms.

Application Notes

Optimal dilution of the MORC3 antibody should be determined by the researcher.

Immunogen

Amino acids ESLKLRSLRVNVGQLLAMIVPDLDLQQVNYDVD from the human protein were used as the immunogen for the MORC3 antibody.

Storage

After reconstitution, the MORC3 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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