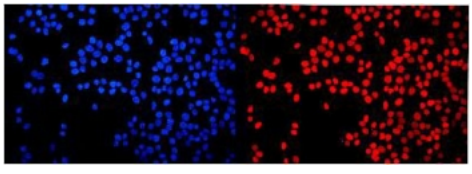
HMGN2 Antibody (RQ4573)

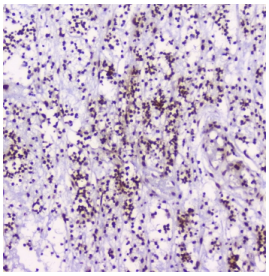
Catalog No.	Formulation	Size
RQ4573	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

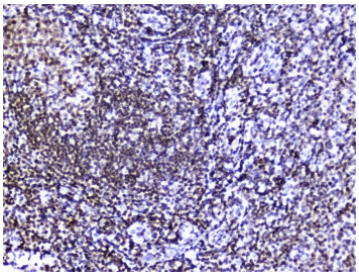
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P05204
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-3ug/ml Immunofluorescence (FFPE): 2-4ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This HMGN2 antibody is available for research use only.



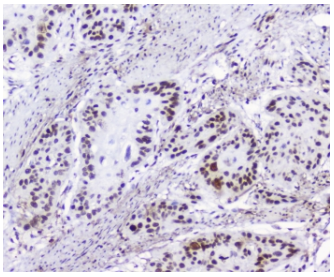
Immunofluorescent staining of FFPE human MCF7 cells with HMGN2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



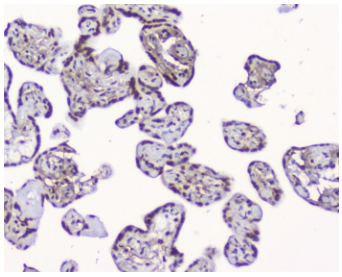
IHC staining of FFPE human appendicitis with HMGN2 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



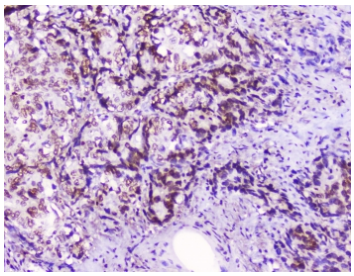
IHC staining of FFPE human tonsil tissue with HMGN2 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



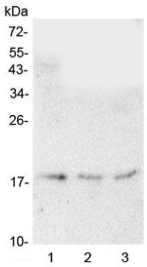
IHC staining of FFPE human esophagus squama cancer with HMGN2 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



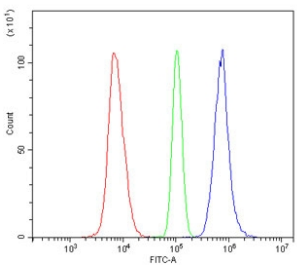
IHC staining of FFPE human placenta with HMGN2 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



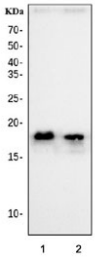
IHC staining of FFPE human stomach cancer with HMGN2 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



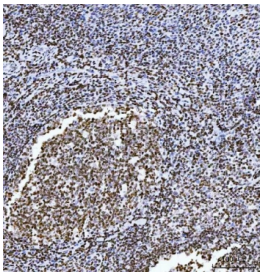
Western blot testing of human 1) HeLa, 2) A549 and 3) U-87 MG cell lysate with HMGN2 antibody at 0.5ug/ml. Predicted molecular weight ~18 kDa.



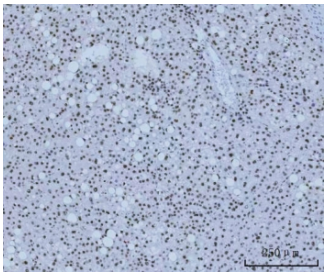
Flow cytometry testing of human Raji cells with HMGN2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HMGN2 antibody.



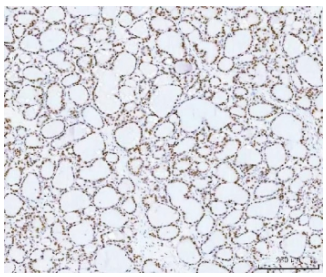
Western blot testing of human 1) SH-SY5Y and 2) HL60 cell lysate with HMGN2 antibody at 0.5ug/ml. Predicted molecular weight ~18 kDa.



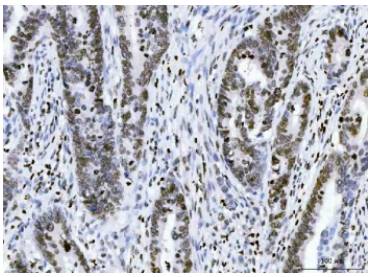
IHC staining of FFPE human tonsil tissue with HMGN2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with HMGN2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human thyroid cancer tissue with HMGN2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectal cancer tissue with HMGN2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Non-histone chromosomal protein HMG-17 is a protein that in humans is encoded by the HMGN2 gene. It is mapped to 1p36.11. The protein encoded by this gene binds nucleosomal DNA and is associated with transcriptionally active chromatin. Along with a similar protein, HMGN1, the encoded protein may help maintain an open chromatin configuration around transcribable genes. The protein has also been found to have antimicrobial activity against bacteria, viruses and fungi.

Application Notes

Optimal dilution of the HMGN2 antibody should be determined by the researcher.

Immunogen

Amino acids KKGKADAGKEGNNPAENGDAKTDQAQKAEGAGDAK were used as the immunogen for the HMGN2 antibody.

Storage

After reconstitution, the HMGN2 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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