

NAGR1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2978
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human NAGR1 (AA: 17-161) expressed in E. Coli.
Mol wt	77.5kDa
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CEAR;HNRPM;HTGR1;NAGR1;HNRPM4;HNRNPM4;hnRNP M

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Alternative splicing results in multiple transcript variants.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

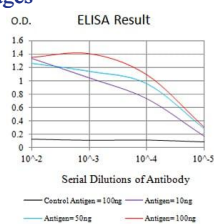
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

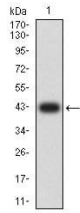
ELISA: 1:10000

Not yet tested in other applications.

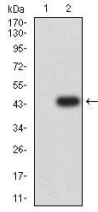
Images



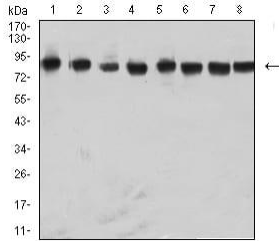
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



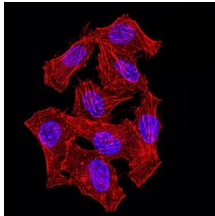
Western blot analysis using NAGR1 mAb against human NAGR1 (AA: 17-161) recombinant protein. (Expected MW is 42.2 kDa)



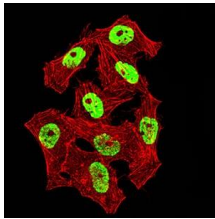
Western blot analysis using NAGR1 mAb against HEK293 (1) and NAGR1 (AA: 17-161)-hIgGFc transfected HEK293 (2) cell lysate.



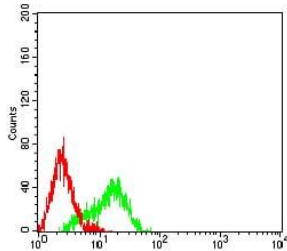
Western blot analysis using NAGR1 mouse mAb against Raji (1), HeLa (2), NIH/3T3 (3), A431 (4), A549 (5), HepG2 (6), PC-12 (7), and U251 (8) cell lysate.



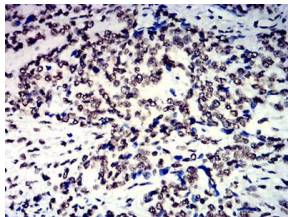
Immunofluorescence analysis of HeLa cells using NAGR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



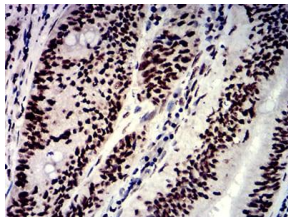
Immunofluorescence analysis of HeLa cells using NAGR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HL-60 cells using NAGR1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using NAGR1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using NAGR1 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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