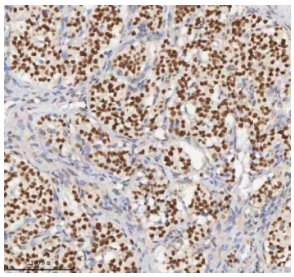
MACROH2A1 Antibody / Core histone macro-H2A.1 / H2AFY (RQ8810)

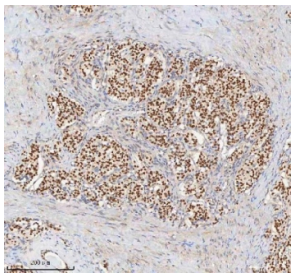
Catalog No.	Formulation	Size
RQ8810	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75367
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This MACROH2A1 antibody is available for research use only.



IHC staining of FFPE human lung adenocarcinoma tissue with MACROH2A1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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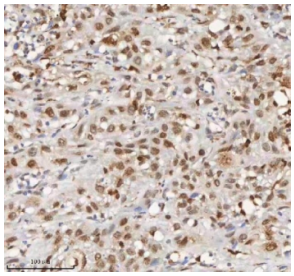
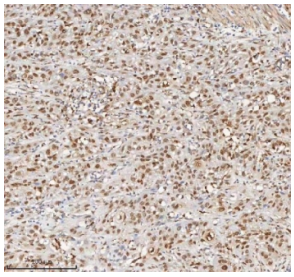
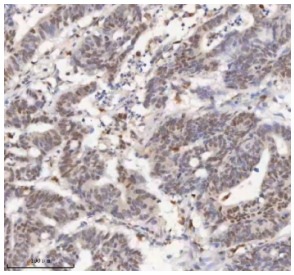


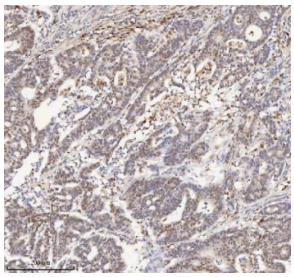
IHC staining of FFPE human urothelial carcinoma tissue with MACROH2A1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



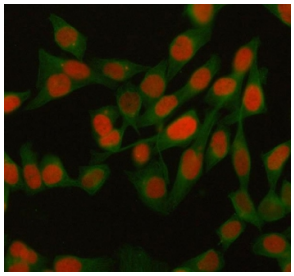
IHC staining of FFPE human urothelial carcinoma tissue with MACROH2A1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



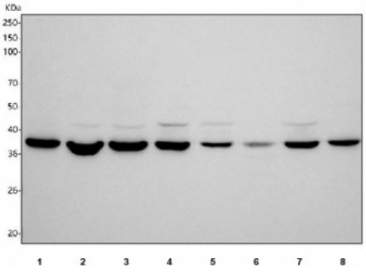
IHC staining of FFPE human colon adenocarcinoma tissue with MACROH2A1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colon adenocarcinoma tissue with MACROH2A1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human HeLa cells with MACROH2A1 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human A549, 2) human Caco-2, 3) human HeLa, 4) human 293T, 5) rat brain, 6) rat thymus, 7) mouse brain and 8) mouse thymus tissue lysate with MACROH2A1 antibody. Predicted molecular weight ~40 kDa.

Description

Core histone macro-H2A.1 is a protein that in humans is encoded by the MACROH2A1 gene. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a replication-independent histone that is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the MACROH2A1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids A180-K301) was used as the immunogen for the MACROH2A1 antibody.

Storage

After reconstitution, the MACROH2A1 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com