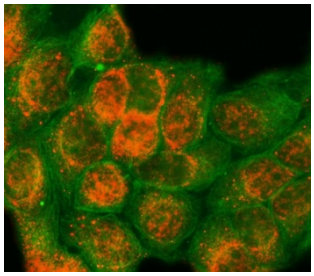
SAP18 Antibody (RQ7529)

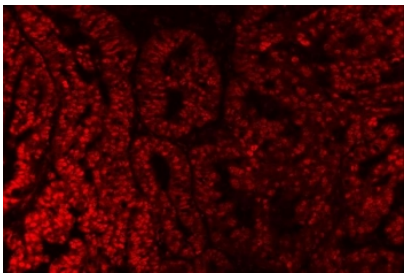
Catalog No.	Formulation	Size
RQ7529	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

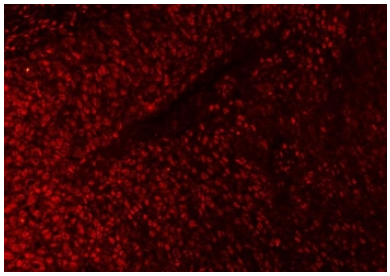
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O00422
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SAP18 antibody is available for research use only.



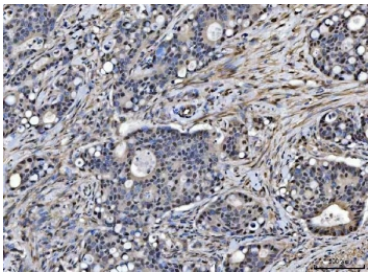
Immunofluorescent staining of FFPE human MCF7 cells with SAP18 antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



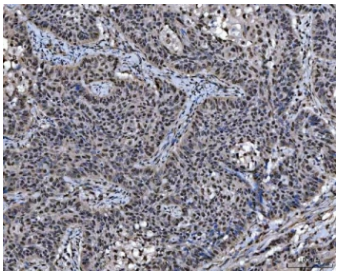
Immunofluorescent staining of FFPE human ovarian cancer tissue with SAP18 antibody. HIER: steam section in pH8 EDTA buffer for 20 min.



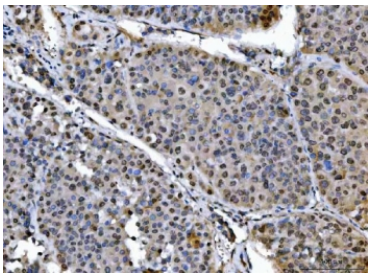
Immunofluorescent staining of FFPE human esophageal squamous carcinoma tissue with SAP18 antibody. HIER: steam section in pH8 EDTA buffer for 20 min.



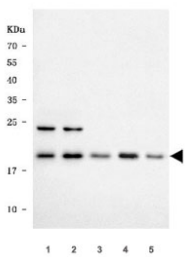
IHC staining of FFPE human duodenal adenocarcinoma tissue with SAP18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



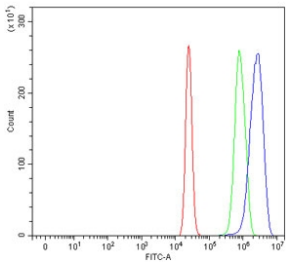
IHC staining of FFPE human esophageal squamous carcinoma tissue with SAP18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with SAP18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human K562, 3) human Jurkat, 4) rat RH35 and 5) mouse NIH 3T3 cell lysate with SAP18 antibody. Predicted molecular weight ~18 kDa.



Flow cytometry testing of human U-2 OS cells with SAP18 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SAP18 antibody.

Description

Histone deacetylase complex subunit SAP18 is an enzyme that in humans is encoded by the SAP18 gene. Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter. A pseudogene has been identified on chromosome 2.

Application Notes

Optimal dilution of the SAP18 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-Y153) was used as the immunogen for the SAP18 antibody.

Storage

After reconstitution, the SAP18 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
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