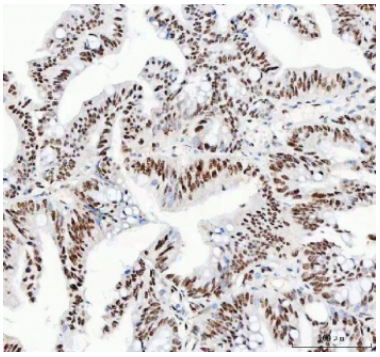
NUCKS1 Antibody / Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 (RQ8313)

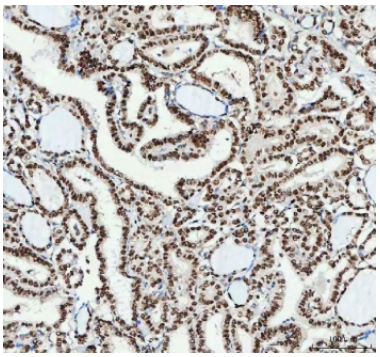
Catalog No.	Formulation	Size
RQ8313	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

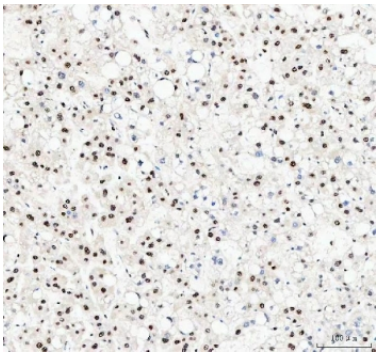
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H1E3
Localization	Nuclear
Applications	Western blot : 0.5-1ug/ml Flow cytometry : 1-3ug/million cells Immunofluorescence : 5ug/ml Immunohistochemsitry (FFPE) : 2-5ug/ml
Limitations	This NUCKS1 antibody is available for research use only.



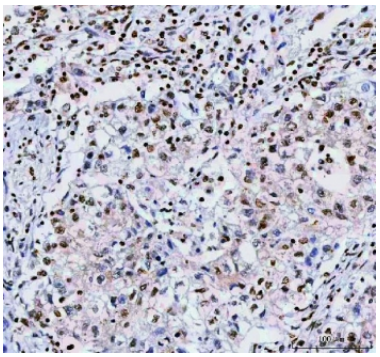
IHC staining of FFPE human rectum adenocarcinoma tissue with NUCKS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



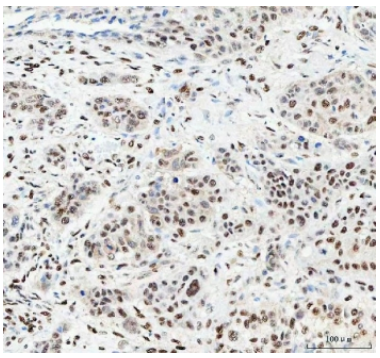
IHC staining of FFPE human thyroid papillary carcinoma tissue with NUCKS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



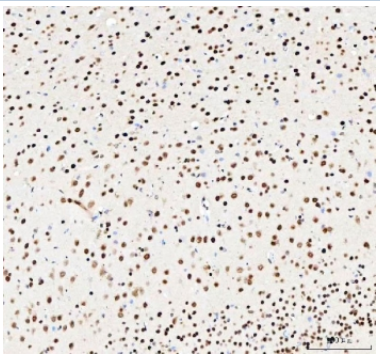
IHC staining of FFPE human liver cancer tissue with NUCKS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



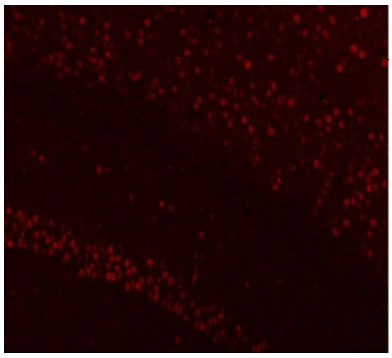
IHC staining of FFPE human lung cancer tissue with NUCKS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



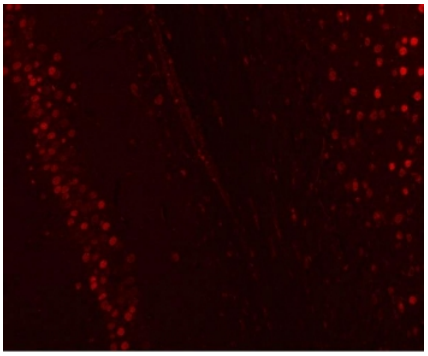
IHC staining of FFPE human esophageal squamous carcinoma tissue with NUCKS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



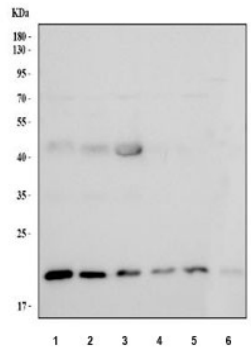
IHC staining of FFPE human rat brain tissue with NUCKS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



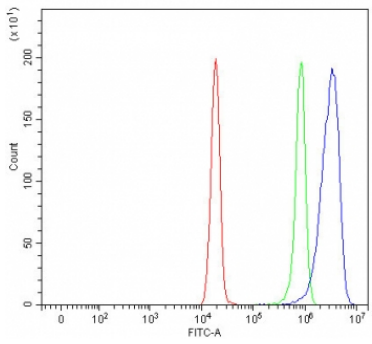
Immunofluorescent staining of FFPE mouse brain tissue with NUCKS1 antibody (red). HIER: steam section in pH8 EDTA buffer for 20 min.



Immunofluorescent staining of FFPE rat brain tissue with NUCKS1 antibody (red). HIER: steam section in pH8 EDTA buffer for 20 min.



Western blot testing of 1) human 293T, 2) human SH-SY5Y, 3) human MCF7, 4) human A431, 5) rat liver and 6) mouse liver tissue lysate with NUCKS1 antibody. Predicted molecular weight ~23 kDa, ~27 kDa (two isoforms).



Flow cytometry testing of fixed and permeabilized human HeLa cells with NUCKS1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NUCKS1 antibody.

Description

Nuclear ubiquitous casein and cyclin-dependent kinases substrate is a protein that in humans is encoded by the NUCKS1 gene. This gene encodes a nuclear protein that is highly conserved in vertebrates. The conserved regions of the protein contain several consensus phosphorylation sites for casein kinase II and cyclin-dependent kinases, two putative nuclear localization signals, and a basic DNA-binding domain. It is phosphorylated in vivo by Cdk1 during mitosis of the cell cycle.

Application Notes

Optimal dilution of the NUCKS1 antibody should be determined by the researcher.

Immunogen

Amino acids MSRPVRNRKVVDYSQFQE were used as the immunogen for the NUCKS1 antibody.

Storage

After reconstitution, the NUCKS1 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