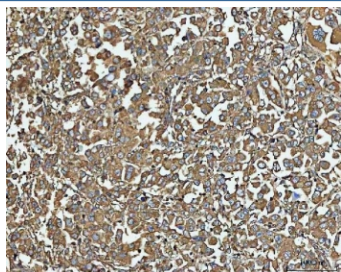


NT5C Antibody / dNT-1 (RQ8409)

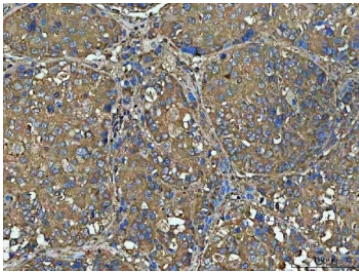
Catalog No.	Formulation	Size
RQ8409	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

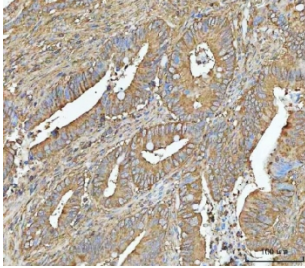
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8TCD5
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NT5C antibody is available for research use only.



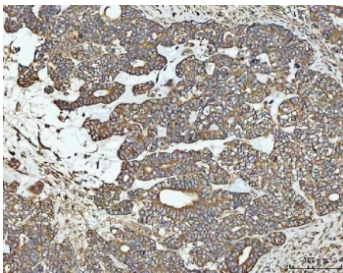
IHC staining of FFPE human lung cancer tissue with NT5C antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



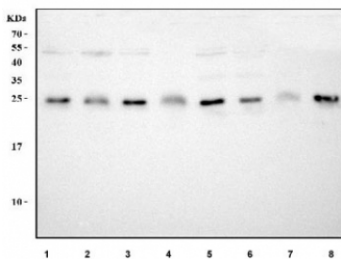
IHC staining of FFPE human liver cancer tissue with NT5C antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



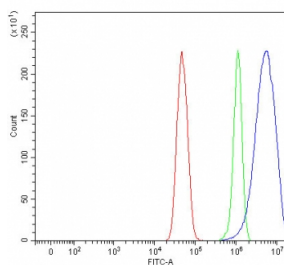
IHC staining of FFPE human colorectal adenocarcinoma tissue with NT5C antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human ovarian cancer tissue with NT5C antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) RT4, 2) U-251, 3) 293T, 4) HL60, 5) HepG2, 6) A549, 7) U-2 OS and 8) SH-SY5Y cell lysate with NT5C antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of fixed and permeabilized human U-251 cells with NT5C antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NT5C antibody.

Description

5', 3'-nucleotidase, cytosolic, also known as 5'(3')-deoxyribonucleotidase, cytosolic type (cdN) or deoxy-5'-nucleotidase 1 (dNT-1), is an enzyme that in humans is encoded by the NT5C gene on chromosome 17. This gene encodes a nucleotidase that catalyzes the dephosphorylation of the 5' deoxyribonucleotides (dNTP) and 2'(3')-dNTP and ribonucleotides, but not 5' ribonucleotides. Of the different forms of nucleotidases characterized, this enzyme is unique in its preference for 5'-dNTP. It may be one of the enzymes involved in regulating the size of dNTP pools in cells. Alternatively spliced transcript variants have been found for this gene.

Application Notes

Optimal dilution of the NT5C antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (H35-R179) was used as the immunogen for the NT5C antibody.

Storage

After reconstitution, the NT5C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.