

ARG44120 anti-NT5C antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes NT5C
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NT5C
Species	Human
Immunogen	Human NT5C recombinant protein (Position: H35-R179).
Conjugation	Un-conjugated
Alternate Names	NT5C; 5', 3'-Nucleotidase, Cytosolic; DNT-1; DNT1; UMPH2; PN-I; CdN; 5' Nucleotidase, Deoxy (Pyrimidine), Cytosolic Type C 2; 5'(3')-Deoxyribonucleotidase, Cytosolic Type; Uridine 5-Prime Monophosphate Hydrolase 2; Cytosolic 5',3'-Pyrimidine Nucleotidase; Deoxy-5'-Nucleotidase 1; Uridine 5'-Monophosphate Phosphohydrolase 2; Epididymis Secretory Sperm Binding Protein; Epididymis Luminal Protein 74; EC 3.1.3.-; HEL74; PN-II; P5N2; DNT

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	1 - 2 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

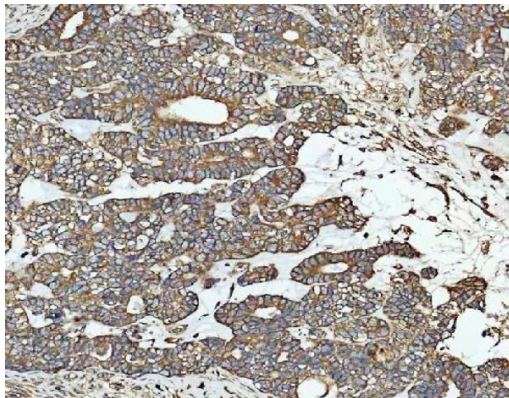
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

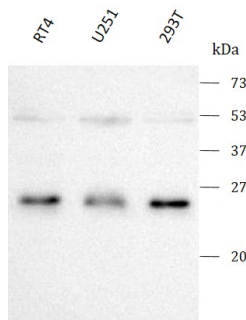
Gene Symbol	NT5C
Gene Full Name	5', 3'-Nucleotidase, Cytosolic
Background	This gene encodes a nucleotidase that catalyzes the dephosphorylation of the 5' deoxyribonucleotides (dNTP) and 2'(3')-dNTP and ribonucleotides, but not 5' ribonucleotides. Of the different forms of nucleotidases characterized, 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.
Function	Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides, with a preference for dUMP and dTMP, intermediate activity towards dGMP, and low activity towards dCMP and dAMP.
Calculated Mw	23 kDa
PTM	Phosphoprotein
Cellular Localization	Cytoplasm

Images



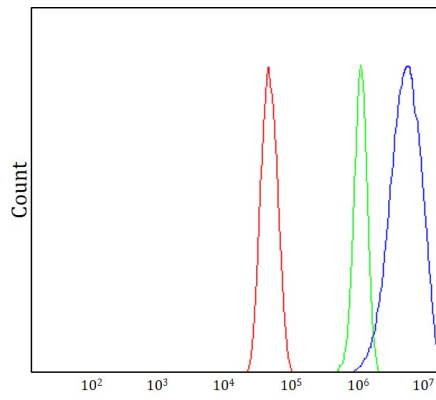
ARG44120 anti-NT5C antibody IHC-P image

Immunohistochemistry: Human ovarian cancer stained with ARG44120 anti-NT5C antibody at 2 µg/ml dilution.



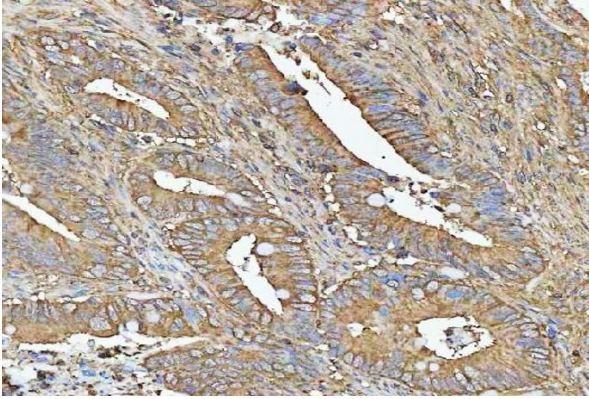
ARG44120 anti-NT5C antibody WB image

Western blot: RT4, U251 and 293T stained with ARG44120 anti-NT5C antibody at 0.5 µg/ml dilution.



ARG44120 anti-NT5C antibody FACS image

Flow Cytometry: U251 stained with ARG44120 anti-NT5C antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.



ARG44120 anti-NT5C antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44120 anti-NT5C antibody at $2\text{ }\mu\text{g}/\text{ml}$ dilution.