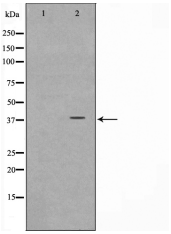
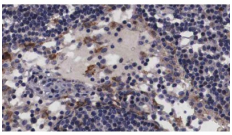
NT5C3 Ab

Cat.#: AF0491	Concn.: 1mg/ml	Mol.Wt.: 38kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	NT5C3 Ab detects endogenous levels of NT5C3.
Immunogen:	A synthesized peptide derived from human NT5C3.
Uniprot:	Q9H0P0
Description:	Pyrimidine 5-prime-nucleotidase (P5N; EC 3.1.3.5), also called uridine 5-prime monophosphate hydrolase (UMPH), catalyzes the dephosphorylation of the pyrimidine 5-prime monophosphates UMP and CMP to the corresponding nucleosides. There are 2 isozymes of pyrimidine 5-prime nucleotidase in red blood cells, referred to as type I (UMPH1) and type II (UMPH2; MIM 191720). The 2 enzymes are not separable by electrophoresis in humans but have distinct kinetic properties, and the proteins show no homology.
Subcellular Location:	Cytoplasm and Endoplasmic reticulum.
Tissue Specificity:	Isoforms 1, 3 and 4 are expressed in reticulocytes. Isoform 4 is hardly detectable in bone marrow and fetal liver.
Similarity:	Belongs to the pyrimidine 5'-nucleotidase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on Jurkat cell lysate using NT5C3 Ab,The lane on the left is treated with the antigen-specific peptide.



AF0491 at 1/100 staining human Lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF0491 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.