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NT5C Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22072a

Product Information

Application	WB, E
Primary Accession	Q8TCD5
Reactivity	Human, Mouse
Predicted	Bovine, Canine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55089
Calculated MW	23383

Additional Information

Gene ID	30833
Other Names	5'(3')-deoxyribonucleotidase, cytosolic type, 3.1.3.-, Cytosolic 5', 3'-pyrimidine nucleotidase, Deoxy-5'-nucleotidase 1, dNT-1, NT5C, DNT1, UMPH2
Target/Specificity	This NT5C antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 27-60 amino acids from human NT5C.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NT5C Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NT5C
Synonyms	DNT1, UMPH2
Function	Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides, with a preference for dUMP (Ref.12). Also dephosphsphorylates dTMP, exhibits intermediate activity towards dGMP, and low activity towards dCMP

and dAMP (By similarity).

Cellular Location Cytoplasm {ECO:0000250|UniProtKB:Q9JM14}.

Tissue Location Detected in skeletal muscle, heart and pancreas.

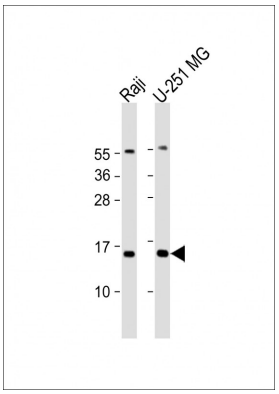
Background

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.

References

Rampazzo C.,et al.J. Biol. Chem. 275:5409-5415(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Rampazzo C.,et al.Gene 294:109-117(2002).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

Images



All lanes : Anti-NT5C Antibody (N-Term) at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: U-251 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.