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NT5C2 Rabbit pAb

Catalog # AP98235

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P49902
Other Accession	P49902
Predicted	Rat, Human, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64970
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NT5C2
Epitope Specificity	1-100/561
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the 5'(3')-deoxyribonucleotidase family.
SUBUNIT	Homotetramer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a hydrolase that serves as an important role in cellular purine metabolism by acting primarily on inosine 5'-monophosphate and other purine nucleotides. [provided by RefSeq, Oct 2011]

Additional Information

Gene ID	22978
Other Names	GMP; NT5B; PNT5; SPG45; SPG65; cN-II; 2010002I23Rik; CnII; Gm9751; 5NTC_BOVIN; NT5C2; Cytosolic IMP/GMP-specific 5'-nucleotidase; Cytosolic nucleoside phosphotransferase 5'N; 3.1.3.5; 3.1.3.99; 5NTC_HUMAN; Cytosolic 5'-nucleotidase II (cN-II); High Km 5'-nucleotidase; NT5CP; 5NTC_MOUSE; 5'-nucleotidase, cytosolic II; 5'-nucleotidase (purine), cytosolic type B; spastic paraplegia 45 (autosomal recessive); purine 5' nucleotidase
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NT5C2 (HGNC:8022)
Synonyms	NT5B, NT5CP, PNT5
Function	Broad specificity cytosolic 5'-nucleotidase that catalyzes the dephosphorylation of 6-hydroxypurine nucleoside 5'-monophosphates (PubMed:10092873, PubMed:12907246, PubMed:1659319, PubMed:9371705). In addition, possesses a phosphotransferase activity by which it can transfer a phosphate from a donor nucleoside monophosphate to an acceptor nucleoside, preferably inosine, deoxyinosine and guanosine (PubMed:1659319, PubMed:9371705). Has the highest activities for IMP and GMP followed by dIMP, dGMP and XMP (PubMed:10092873, PubMed:12907246, PubMed:1659319, PubMed:9371705). Could also catalyze the transfer of phosphates from pyrimidine monophosphates but with lower efficiency (PubMed:1659319, PubMed:9371705). Through these activities regulates the purine nucleoside/nucleotide pools within the cell (PubMed:10092873, PubMed:12907246, PubMed:1659319, PubMed:9371705).
Cellular Location	Cytoplasm, cytosol.
Tissue Location	Widely expressed..

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