产品名称：NT5C3 Rabbit Polyclonal Antibody
产品货号：APRab14920

产品概述（Summary）

产品名称（Production Name）	NT5C3 Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF,ELISA
种属反应性（Reactivity）	Human,Mouse

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	NT5C3
别名（Alternative Names）	NT5C3; P5N1; UMPH1; HSPC233; Cytosolic 5'-nucleotidase 3; Cytosolic 5'-nucleotidase III; cN-III; Pyrimidine 5'-nucleotidase 1; P5'N-1; P5N-1; PN-I; Uridine 5'-monophosphate hydrolase 1; p36
基因 ID（Gene ID）	51251.0
蛋白 ID（SwissProt ID）	Q9H0P0.The antiserum was produced against synthesized peptide derived from human NT5C3. AA range:11-60

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量（Molecular Weight）	38kDa

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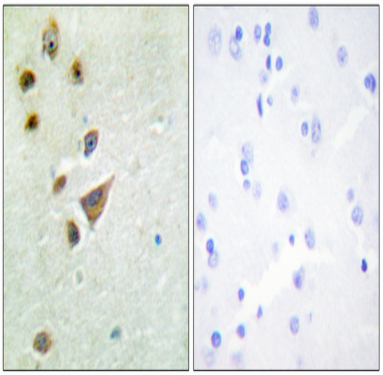
研究背景（Background）

5'-nucleotidase, cytosolic IIIA(NT5C3A) Homo sapiens　This gene encodes a member of the 5'-nucleotidase family of enzymes that catalyze the dephosphorylation of nucleoside 5'-monophosphates. The encoded protein is the type 1 isozyme of pyrimidine 5' nucleotidase and catalyzes the dephosphorylation of pyrimidine 5' monophosphates. Mutations in this gene are a cause of hemolytic anemia due to uridine 5-prime monophosphate hydrolase deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and pseudogenes of this gene are located on the long arm of chromosomes 3 and 4. [provided by RefSeq, Mar 2012],catalytic activity:A 5'-ribonucleotide + H(2)O = a ribonucleoside + phosphate.,disease:Defects in NT5C3 are the cause of P5N deficiency [MIM:266120]; also called hemolytic anemia due to P5N deficiency or hemolytic anemia due to UMPH1 deficiency. P5N deficiency is an autosomal recessive condition causing hemolytic anemia characterized by marked basophilic stipplig and the accumulation of high concentrations of pyrimidine nucleotides within the erythrocyte. It is implicated in the anemia of lead poisoning and is possibly associated with learning difficulties.,function:Can act both as nucleotidase and as phosphotransferase.,induction:Isoform 2 is induced by interferon alpha in Raji cells in association with lupus inclusions.,similarity:Belongs to the pyrimidine 5'-nucleotidase family.,subunit:Monomer.,tissue specificity:Isoform 1 and isoform 3 are expressed in reticulocytes and lymphocytes. Isoform 4 is expressed only in reticulocytes.,

研究领域（Research Area）

Purine metabolism;Pyrimidine metabolism;Nicotinate and nicotinamide metabolism;

图片（Image Data）



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NT5C3 Antibody. The picture on the right is blocked with the synthesized peptide.

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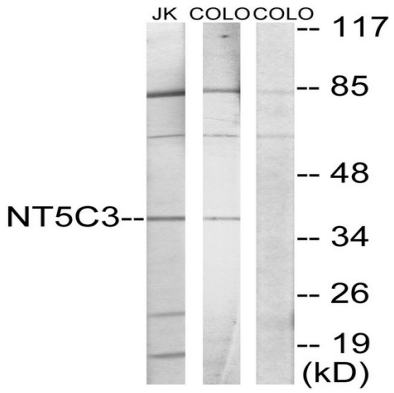
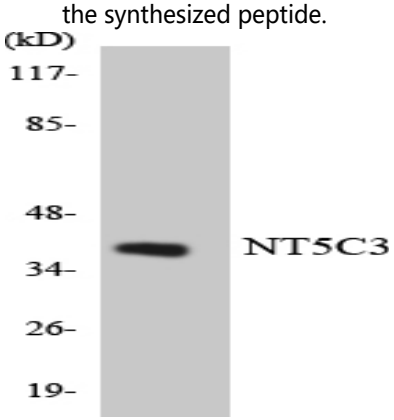


Western blot analysis of lysates from Jurkat and COLO205 cells, using NT5C3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using NT5C3 antibody.

注意事项（Note）

For research use only .