

NT5DC2 Rabbit pAb

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Catalog # AP57547

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H857
Reactivity	Human, Rat
Predicted	Mouse, Dog, Pig, Horse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60719
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NT5DC2
Epitope Specificity	251-350/520
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	NT5DC2 (5'-Nucleotidase Domain Containing 2) is a Protein Coding gene. GO annotations related to this gene include hydrolase activity and 5-nucleotidase activity. An important paralog of this gene is NT5DC3.

Additional Information

Gene ID	64943
Other Names	5'-nucleotidase domain-containing protein 2, 3.1.3.-, NT5DC2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	NT5DC2
Function	Promotes dephosphorylation of tyrosine 3-monoxygenase TH which decreases TH catalytic activity and leads to reduced synthesis of catecholamines including dopamine, noradrenaline and adrenaline. The exact

mechanism of activity is unknown but may act as a phosphatase or promote the activity of phosphatases or may inhibit phosphorylation by acting as a barrier to interfere with protein kinase access.

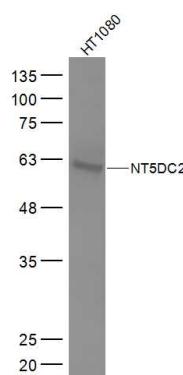
Cellular Location

Cytoplasm {ECO:0000250 | UniProtKB:Q6Q0N3}.

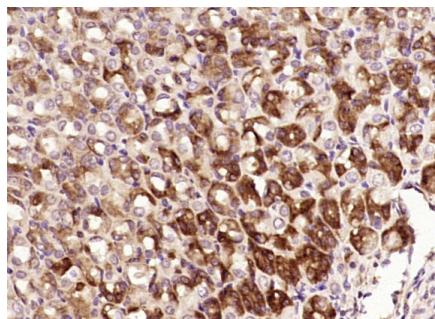
Background

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Images



Sample:
HT1080(Human) Cell Lysate at 30 ug
Primary: Anti-NT5DC2 (AP57547) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 61 kD
Observed band size: 61 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NT5DC2) Polyclonal Antibody, Unconjugated (AP57547) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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