

NT5DC2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57547

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9H857
Reactivity	Rat, Pig, Dog
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,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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

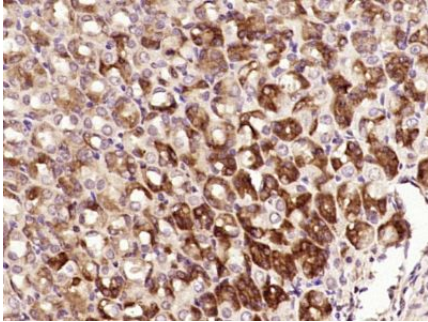
Name	NT5DC2
Function	Promotes dephosphorylation of tyrosine 3-monooxygenase TH which

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.

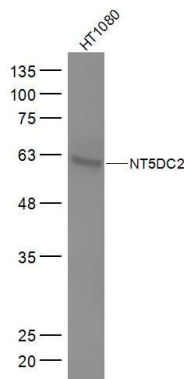
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q6Q0N3}.

Images



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.



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

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