

**NT5DC2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57547****Specification****NT5DC2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9H857</a>
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NT5DC2
Epitope Specificity	251-350/520
Isotype	IgG
<b>Purity</b>	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.

**NT5DC2 Polyclonal Antibody - Additional Information****Gene ID 64943****Other Names**

5'-nucleotidase domain-containing protein 2, 3.1.3.-, NT5DC2

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br /><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br /><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br /><span class = "dilution\_IF">IF~~1:50~200</span><br /><span class = "dilution\_ICC">ICC~~N/A</span><br /><span class = "dilution\_E">E~~N/A</span>

**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.

## NT5DC2 Polyclonal Antibody - 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

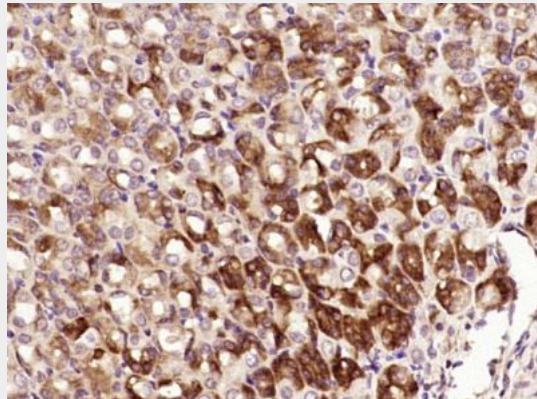
Cytoplasm {ECO:0000250|UniProtKB:Q6Q0N3}.

## NT5DC2 Polyclonal Antibody - Protocols

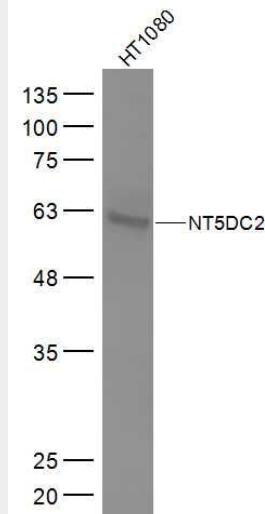
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## NT5DC2 Polyclonal Antibody - 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 (bs-19491R) 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 (bs-19491R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 61 kD