

**Anti-DOPA Decarboxylase Antibody**  
Our Anti-DOPA Decarboxylase rabbit polyclonal primary antibody from PhosphoSolutions is produced in-  
Catalog # AN1361

## Specification

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### Anti-DOPA Decarboxylase Antibody - Product Information

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| Primary Accession | <a href="#">P20711</a>                                                                   |
| Reactivity        | Bovine, Chicken, Drosophila, C.Elegans, Epstein Barr Virus, Neisseria Gonorrhoeae, Human |
| Host              | Rabbit                                                                                   |
| Clonality         | Polyclonal                                                                               |
| Isotype           | IgG                                                                                      |
| Calculated MW     | 53926                                                                                    |

### Anti-DOPA Decarboxylase Antibody - Additional Information

Gene ID **1644**

#### Other Names

AADC antibody, Aromatic L Amino Acid Decarboxylase antibody, Aromatic-L-amino-acid decarboxylase antibody, DDC antibody, DDC\_HUMAN antibody, DOPA decarboxylase (aromatic L-amino acid decarboxylase) antibody, DOPA decarboxylase antibody

#### Target/Specificity

DOPA decarboxylase (aromatic L-amino acid decarboxylase, AADC; DDC) catalyzes the second reaction in the biosynthesis of catecholamines and serotonin (Waymire and Haycock, 2002; Berry et al., 1996; Haycock et al., 2003). It is also involved in the biosynthesis of trace amines. DDC antibodies can therefore be used as markers for dopaminergic, noradrenergic and serotonergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999).

#### Format

Antigen Affinity Purified from Pooled Serum

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Anti-DOPA Decarboxylase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Shipping

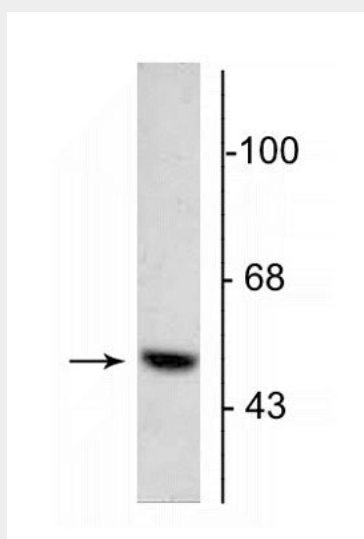
Blue Ice

### Anti-DOPA Decarboxylase 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](#)

#### **Anti-DOPA Decarboxylase Antibody - Images**



Western blot of 5 µg of bovine adrenal medulla lysate showing specific immunolabeling of the ~55 kDa DOPA decarboxylase protein.

#### **Anti-DOPA Decarboxylase Antibody - Background**

DOPA decarboxylase (aromatic L-amino acid decarboxylase, AADC; DDC) catalyzes the second reaction in the biosynthesis of catecholamines and serotonin (Waymire and Haycock, 2002; Berry et al., 1996; Haycock et al., 2003). It is also involved in the biosynthesis of trace amines. DDC antibodies can therefore be used as markers for dopaminergic, noradrenergic and serotonergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999).