

**Anti-DOPA Decarboxylase Antibody**

Our Anti-DOPA Decarboxylase rabbit polyclonal primary antibody from PhosphoSolutions is produced in-  
Catalog # AN1360

**Specification**

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**Anti-DOPA Decarboxylase Antibody - Product Information**

Primary Accession	<a href="#">P27718</a>
Reactivity	<b>Bovine, Chicken</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>54294</b>

**Anti-DOPA Decarboxylase Antibody - Additional Information**

Gene ID **280762**

**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**

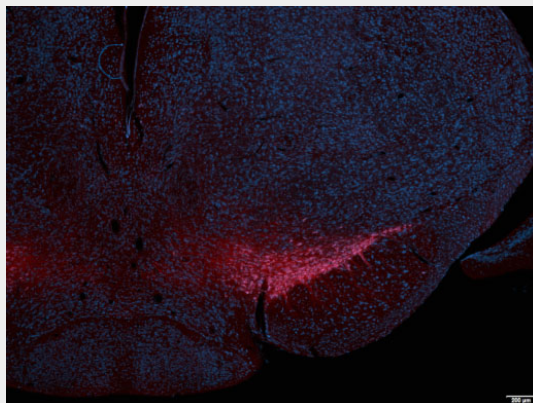
Blue Ice

**Anti-DOPA Decarboxylase Antibody - Protocols**

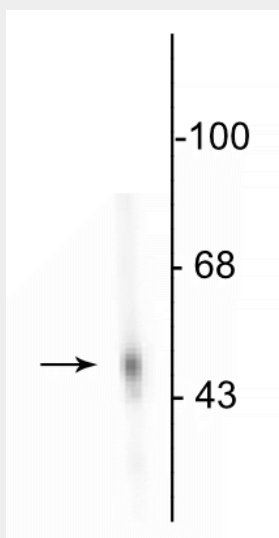
Provided below are standard protocols that you may find useful for product applications.

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

#### Anti-DOPA Decarboxylase Antibody - Images



Immunostaining of a frozen section of paraformaldehyde-fixed mouse brain showing specific immunolabeling of DDC (1:500) in red and fluorescent Nissl (blue). Photo courtesy of Tom Finger, University of Colorado School of Medicine.



Western blot of rat adrenal medulla showing specific immunolabeling of the ~55 kDa DDC 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).