

Anti-DOPA Decarboxylase Antibody

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

Specification

Anti-DOPA Decarboxylase Antibody - Product Information

Primary Accession	P27718
Reactivity	Bovine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	54294

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

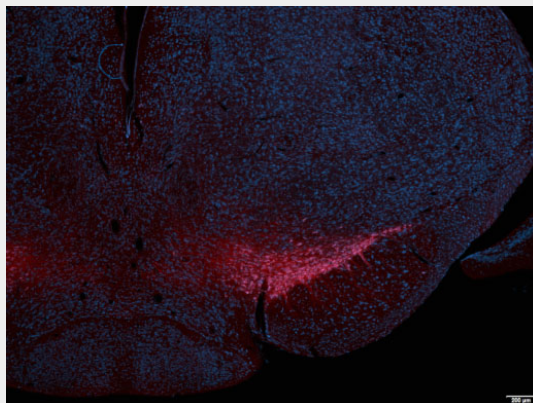
Blue Ice

Anti-DOPA Decarboxylase Antibody - Protocols

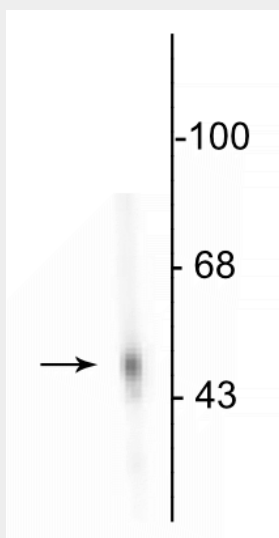
Provided below are standard protocols that you may find useful for product applications.

- [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).