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Anti-DOPA Decarboxylase Antibody

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

Product Information

Application	WB
Primary Accession	P20711
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	53926

Additional Information

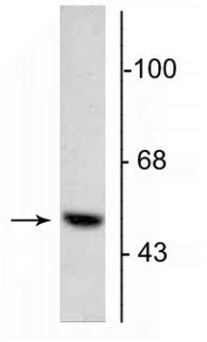
Gene ID	1644
Other Names	AADC antibody, Aromatic L Amino Acid Decarboxylase antibody, Aromatic-L-amino-acid decarboxylase antibody, DDC antibody, DDC_HUMAN antibody, DOPA decarboxylase (aromatic L-amino acid decarboxylase) antibody, DOPA decarboxylase antibody
Target/Specificity	DOPA decarboxylase (aromatic 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).
Dilution	WB~~1:1000
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

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).

Images



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