

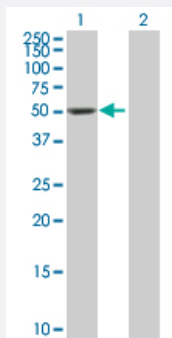
MaxPab®

DDC purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001644-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of DDC expression in transfected 293T cell line ([H00001644-T01](#)) by DDC MaxPab polyclonal antibody.

Lane 1: DDC transfected lysate(52.8 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human DDC protein.

Immunogen

DDC (AAH08366, 1 a.a. ~ 480 a.a) full-length human protein.

Sequence

MNASEFRRRGKEMVDYVANYMEGIEGRQVYPDVEPGYLRLIPAAAPQEPDTFEDIINDVEKIIMP
GVTHWHSPYFFAYFPTASSYPAMLADMLCGAIGCIGFSWAASPACTELETVMMDWLKGKMLELPK
AFLNEKAGEGGGVIQGSASEATLVALLAARTKVIHRLQAASPELTQAAIMEKLVAYSSDQAHSSVE
RAGLIGGVKLKAIPSDGNFAMRASALQEALERDKAAGLIPFFMVATLGTTTCCSFDNLLEVGPICN
KEDIWLHVDAAYAGSAFICPEFRHLLNGVEFADSFNPNPHKWLLVNFDCSAMWVKKRTDLTGAF
RLDPTYLKHSHQDSGLITDYRHWWQIPLGRRFRSLKMWFVFRMYGVKGLQAYIRKHVQLSHEFESL
VRQDPRFEICVEVILGLVCFRLKGSNKVNEALLQRINSAKKIHLPCHLRDKFVLRFAICSRTVESA
HVQRAWEHIKELAADVLRAERE

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — DDC

Entrez GeneID [1644](#)

GeneBank Accession# [BC008366.1](#)

Protein Accession# [AAH08366](#)

Gene Name DDC

Gene Alias AADC

Gene Description dopa decarboxylase (aromatic L-amino acid decarboxylase)

Omim ID [107930 608643](#)

Gene Ontology [Hyperlink](#)

Gene Summary The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations L-Dopa decarboxylase|aromatic L-amino acid decarboxylase

Pathway

- [Betain biosynthesis](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Histidine metabolism](#)

- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tryptophan metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Infant](#)
- [Mental Disorders](#)
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- [NARP](#)
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- [Schizophrenic Psychology](#)
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- [Weight Gain](#)