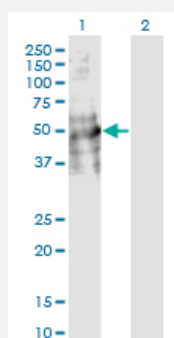


DDC monoclonal antibody (M18), clone 8E8

Catalog # H00001644-M18

Size 100 ug

Applications

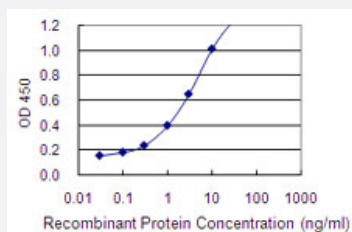


Western Blot (Transfected lysate)

Western Blot analysis of DDC expression in transfected 293T cell line by DDC monoclonal antibody (M18), clone 8E8.

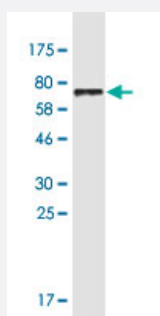
Lane 1: DDC transfected lysate (Predicted MW: 53.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DDC is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (78.43 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant DDC.

Immunogen	DDC (AAH08366, 1 a.a. ~ 480 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNASEFRRRGKEMVDYVANYMEGIEGRQVYPDVEPGYLRPLIPAAAPQEPDTFEDIINDVEKIIMP GVTHWHSPYFFAYFPTASSYPAMLADMLCGAIGCIGFSWAASPACTELETVMMDWLKGKMLELPK AFLNEKAGEGGGVIQGSASEATLVALLAARTKVIHRLQAASPELTQAAIMEKLVAYSSDQAHSSVE RAGLIGGVKLKAIPSDGNFAMRASALQEALERDKAAGLIPFFMVATLGTTTCCSFDNLLEVGPICN KEDMWLHVDAAYAGSAFICPEFRHLLNGVEFADSFNPNPHKWLLVNFDCSAMWVKKRTDLTGAF RLDPTYLKHSHQDSGLITDYRHWQIPLGRRFRSLKMWFVFRMYGVKGLQAYIRKHHVQLSHEFESL VRQDPRFEICVEVILGLVCFRLKGSNKVNEALLQRINSAKKIHLVPCHLRDKFVLRFAICSRVESA HVQRAWEHKELAADVLRAERE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.43 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DDC expression in transfected 293T cell line by DDC monoclonal antibody (M18), clone 8E8.

Lane 1: DDC transfected lysate (Predicted MW: 53.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DDC is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

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](#)
- [Migraine Disorders](#)
- [NARP](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Personality Assessment](#)
- [Polycystic Ovary Syndrome](#)
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- [Psychological Tests](#)

- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sensation](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)