DNAxPAb | Hard-to-Find Antibody

DDC DNAxPab

Catalog # H00001644-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DDC DNA using DNAx™ Immune tech nology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MNASEFRRRGKEMVDYVANYMEGIEGRQVYPDVEPGYLRPLIPAAAPQEPDTFEDIINDVEKIIMP GVTHWHSPYFFAYFPTASSYPAMLADMLCGAIGCIGFSWAASPACTELETVMMDWLGKMLELPK AFLNEKAGEGGGVIQGSASEATLVALLAARTKVIHRLQAASPELTQAAIMEKLVAYSSDQAHSSVE RAGLIGGVKLKAIPSDGNFAMRASALQEALERDKAAGLIPFFMVATLGTTTCCSFDNLLEVGPICN KEDIWLHVDAAYAGSAFICPEFRHLLNGVEFADSFNFNPHKWLLVNFDCSAMWVKKRTDLTGAF RLDPTYLKHSHQDSGLITDYRHWQIPLGRRFRSLKMWFVFRMYGVKGLQAYIRKHVQLSHEFESL VRQDPRFEICVEVILGLVCFRLKGSNKVNEALLQRINSAKKIHLVPCHLRDKFVLRFAICSRTVESA HVQRAWEHIKELAADVLRAERE
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — DDC

Entrez GeneID	1644
GeneBank Accession#	NM_000790.2
Protein Accession#	NP_000781.1
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 do pamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene a re 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 catecholami ne deficiency. Two transcript variants encoding the same protein have been identified for this gen e. [provided by RefSeq
Other Designations	L-Dopa decarboxylase|aromatic L-amino acid decarboxylase

Pathway

- Betalain 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
- Psychiatric Status Rating Scales

- Psychological Tests
- Puberty
- Schizophrenia
- Schizophrenic Psychology
- Sensation
- Thrombophilia
- Tobacco Use Disorder
- Weight Gain