



Human DDC blocking peptide (CDBP1035)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DOPA decarboxylase antibody
Antigen Description	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. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jun 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	DDC dopa decarboxylase (aromatic L-amino acid decarboxylase) [Homo sapiens (human)]
Official Symbol	DDC
Synonyms	DDC; dopa decarboxylase (aromatic L-amino acid decarboxylase); AADC; aromatic-L-amino-acid decarboxylase;

Entrez Gene ID	1644
mRNA Refseq	NM_000790.3
Protein Refseq	NP_000781.1
UniProt ID	P20711
Chromosome Location	7p12.2
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amine-derived hormones, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Catecholamine biosynthesis, organism-specific biosystem; Catecholamine biosynthesis, tyrosine => dopamine => noradrenaline => adrenaline, organism-specific biosystem; Catecholamine biosynthesis, tyrosine => dop
Function	amino acid binding; aromatic-L-amino-acid decarboxylase activity; aromatic-L-amino-acid decarboxylase activity; protein binding; protein domain specific binding; pyridoxal phosphate binding;