

DOPA Decarboxylase Rabbit mAb

Catalog No: #49597



Package Size: #49597-1 50ul #49597-2 100ul

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Description

Product Name	DOPA Decarboxylase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA53-16
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
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
Accession No.	Swiss-Prot#:P20711
Uniprot	P20711
GeneID	1644;
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1000 IHC: 1:50-1:200

Background

DOPA decarboxylase (DDC), also designated aromatic-L-amino-acid decarboxylase (AADC) belongs to the group II decarboxylase family of proteins. DDC, which can form a homodimer, is an important protein in the catecholamine biosynthesis pathway. DDC acts as a catalyst in the decarboxylation of L-5-hydroxytryptophan to serotonin, L-3,4-dihydroxyphenylalanine (DOPA) to dopamine and L-tryptophan to tryptamine. Defects in the gene encoding for DDC may cause the autosomal recessive disorder AADC deficiency. AADC deficiency is an early onset inborn error in neurotransmitter metabolism which can lead to catecholamine and serotonin deficiency. This causes poor feeding, psychomotor and developmental delays, lethargy, ptosis, gastrointestinal disturbances and hypothermia.

References

Note: This product is for in vitro research use only