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DDC Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5536a

Specification

DDC Antibody (N-term) Blocking peptide - Product Information

Primary Accession	P20711
Other Accession	NP_000781.1

DDC Antibody (N-term) Blocking peptide - Additional Information

Gene ID 1644

Other Names
Aromatic-L-amino-acid decarboxylase, AADC, DOPA decarboxylase, DDC, DDC, AADC

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DDC Antibody (N-term) Blocking peptide - Protein Information

Name DDC {ECO:0000303|PubMed:15532536, ECO:0000312|HGNC:HGNC:2719}

Function
Catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine and L-5-hydroxytryptophan to serotonin.

Tissue Location
[Isoform 2]: High expression in kidney.

DDC Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

DDC Antibody (N-term) Blocking peptide - Images

DDC Antibody (N-term) Blocking peptide - Background

This protein catalyzes the decarboxylation ofL-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-aciddecarboxylase deficiency (AADCD). AADCD deficiency is an inbornerror in neurotransmitter metabolism that leads to combinedserotonin and catecholamine deficiency.

DDC Antibody (N-term) Blocking peptide - References

Kokkinou, I., et al. J. Neuroimmunol. 216 (1-2), 51-58 (2009) :Meda, S.A., et al. Neuroimage (2009)Ishikawa, S., et al. J. Biol. Chem. 284(42):28832-28844(2009)Trevino, L.R., et al. Nat. Genet. 41(9):1001-1005(2009)