

Rabbit DDC Polyclonal Antibody | anti-DDC antibody

DDC Antibody

CATALOG # AAA40649	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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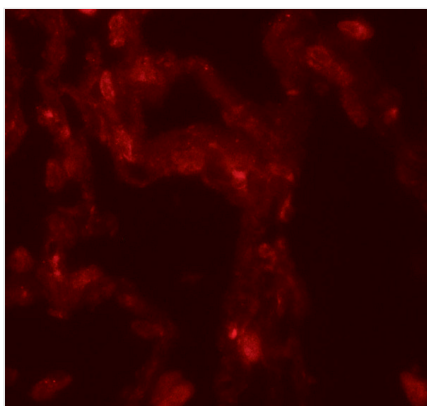
PRODUCT SYNONYMS

DDC; Polyclonal Antibody; DDC Antibody; DDC Antibody : AADC; AADC; Aromatic-L-amino-acid decarboxylase; DOPA decarboxylase; dopa decarboxylase (aromatic L-amino acid decarboxylase); anti-DDC antibody

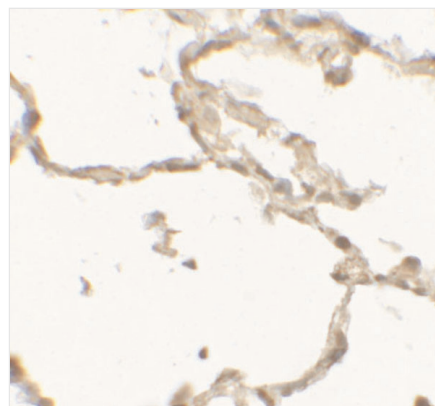
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DDC antibody is human, mouse and rat reactive.
Purity/Purification	DDC Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	480
Applicable Applications for anti-DDC antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DDC antibody was raised against a 14 amino acid peptide near the carboxy terminus of human DDC
Buffer	DDC Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DDC antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

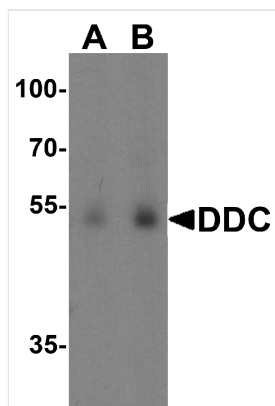
IMAGES


IF (Immunofluorescence)

Immunofluorescence of DDC in human lung tissue with DDC antibody at 20 &#956;g/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of DDC in human lung tissue with DDC antibody at 2.5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of DDC in human lung tissue lysate with DDC antibody at (A) 0.5 and (B) 1 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-DDC antibody

DOPA decarboxylase (DDC) belongs to the group II decarboxylase family of proteins (1). It is an important protein in the catecholamine biosynthesis pathway. DDC catalyzes the second reaction in the biosynthesis of catecholamines, trace amines and serotonin (1,2). It can form a homodimer and is expressed in the central nervous system (2). DDC can be used as markers for dopaminergic, noradrenergic and serotonergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease, neuroendocrine tumors and drug abuse (3,4). Defects in DDC gene may cause the autosomal recessive disorder AADC deficiency (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503281
NCBI GeneID	1644
NCBI Accession #	NP_000781
NCBI GenBank Nucleotide #	NM_000790.3
UniProt Accession #	P20711; Q16723; Q5W5T9; Q75MJ6; C9IYA0; E7ER62; E7EU95
Molecular Weight	Predicted: 53 kDa Observed: 50 kDa
NCBI Official Full Name	aromatic-L-amino-acid decarboxylase isoform 1
NCBI Official Synonym Full Names	dopa decarboxylase (aromatic L-amino acid decarboxylase)
NCBI Official Symbol	DDC
NCBI Official Synonym Symbols	AADC
NCBI Protein Information	aromatic-L-amino-acid decarboxylase
UniProt Protein Name	Aromatic-L-amino-acid decarboxylase
UniProt Gene Name	DDC
UniProt Synonym Gene Names	AADC; AADC; DDC
UniProt Entry Name	DDC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.