

Rabbit DOPA decarboxylase Polyclonal Antibody | anti-DDC antibody

DOPA decarboxylase Antibody

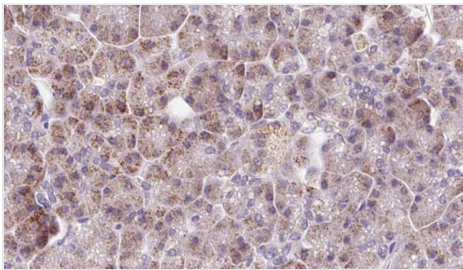
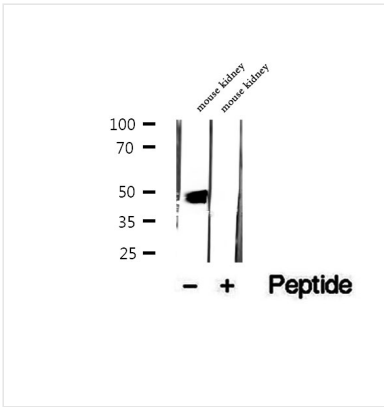
CATALOG # AAA323210	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DOPA decarboxylase; Polyclonal Antibody; DOPA decarboxylase Antibody; AADC; Aromatic L Amino Acid Decarboxylase; Aromatic-L-amino-acid decarboxylase; DDC; DDC_HUMAN; DOPA decarboxylase (aromatic L-amino acid decarboxylase); anti-DDC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DOPA decarboxylase antibody detects endogenous levels of DOPA decarboxylase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	480
Applicable Applications for anti-DDC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DOPA decarboxylase.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (89%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA323210 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of mouse kidney tissue, using DOPA decarboxylase antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DDC antibody	Function: Catalyzes the decarboxylation of L-3, 4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Subunit Structure: Homodimer. Similarity: Belongs to the group II decarboxylase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503281
NCBI GeneID	1644
NCBI Accession #	NP_000781.1
NCBI GenBank Nucleotide #	NM_000790.3
UniProt Accession #	P20711; Q16723; Q5W5T9; Q75MJ6; C9IYA0; E7ER62; E7EU95
Molecular Weight	Observed: 48-50 kDa Predicted: 54 kDa
NCBI Official Full Name	aromatic-L-amino-acid decarboxylase isoform 1
NCBI Official Synonym Full Names	dopa 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

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.