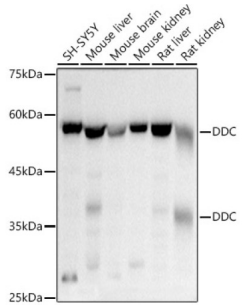
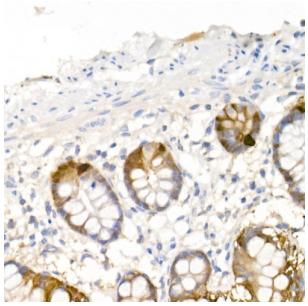
Aromatic-L-Amino-Acid Decarboxylase (DDC) Antibody

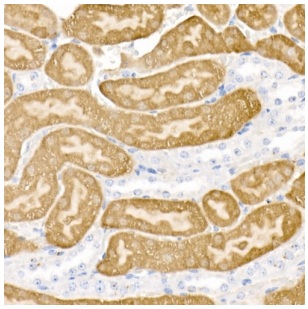
Catalogue No.:abx002777



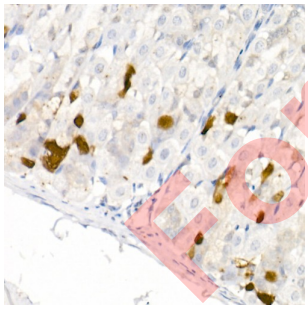
Western blot analysis of extracts of various cell lines using DDC Antibody (1/500 dilution).



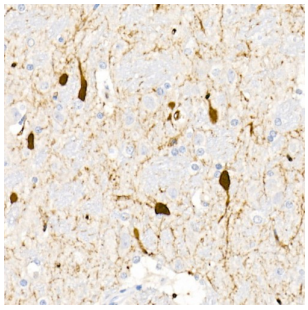
Immunohistochemistry of paraffin-embedded human small intestine using DDC Antibody (1/20 dilution, 40x lens). High pressure antigen retrieval was performed in 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse kidney using DDC Antibody (1/20 dilution, 40x lens). High pressure antigen retrieval was performed in 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse stomach using DDC Antibody (1/20 dilution, 40x lens). High pressure antigen retrieval was performed in 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat brain using DDC Antibody (1/20 dilution, 40x lens). High pressure antigen retrieval was performed in 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

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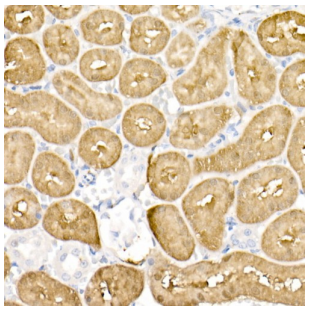
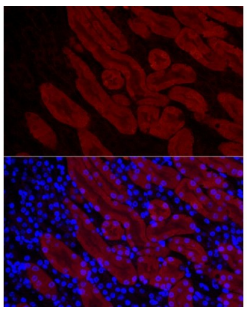


Immunohistochemistry of paraffin-embedded rat kidney using DDC Antibody (1/20 dilution, 40x lens). High pressure antigen retrieval was performed in 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of mouse kidney cells using DDC Antibody (1/50 dilution, 40x lens). Blue: DAPI for nuclear staining.

DDC Antibody is a Rabbit Polyclonal antibody against DDC. 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.

Target:	Aromatic-L-Amino-Acid Decarboxylase (DDC)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/200 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human DDC
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.

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Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P20711 (UniProt, ExPASy)
Gene Symbol:	DDC
GeneID:	1644
NCBI Accession:	NP_000781.2
KEGG:	hsa:1644
String:	9606.ENSP00000403644
Molecular Weight:	Calculated MW: 37 kDa/44 kDa/45 kDa/53 kDa Observed MW: 37 kDa/54 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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