DDC Polyclonal Antibody

Catalog Number:E-AB-92553

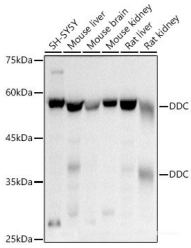
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

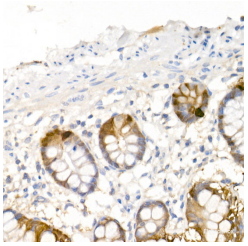
Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human DDC
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% proclin300,50% glycerol,pH7.3.

Applications	Recommended Dilution
WB	1:200-1:2000
IHC	1:50-1:200
IF	1:50-1:200

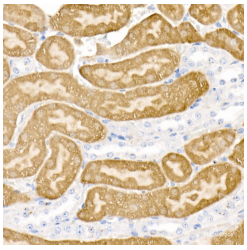
Data



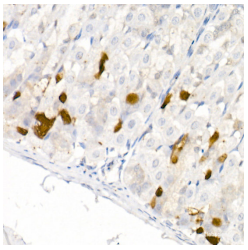
Western blot analysis of extracts of various cell lines using DDC Polyclonal Antibody at 1:500 dilution.
Observed Mw:37KDa/54KDa
Calculated Mw:37kDa/44kDa/45kDa/53kDa



Immunohistochemistry of paraffin-embedded human small intestine using DDC Polyclonal Antibody at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse kidney using DDC Polyclonal Antibody at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse stomach using DDC Polyclonal Antibody at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

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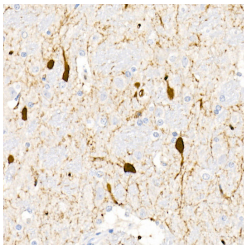
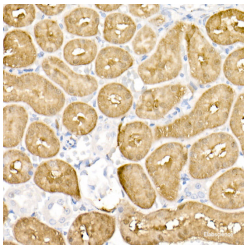


Immunohistochemistry of paraffin-embedded rat brain using DDC Polyclonal Antibody at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat kidney using DDC Polyclonal Antibody at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval w

Preparation & Storage

Storage Store at -20℃. Avoid freeze/thaw cycles.

Background

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.