

**DDC / DOPA Decarboxylase Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16031**

**Specification**

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**DDC / DOPA Decarboxylase Antibody (C-Terminus) - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">P20711</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

**DDC / DOPA Decarboxylase Antibody (C-Terminus) - Additional Information**

**Gene ID** 1644

**Other Names**

Aromatic-L-amino-acid decarboxylase, AADC, 4.1.1.28, DOPA decarboxylase, DDC, DDC, AADC

**Target/Specificity**

DDC antibody is human, mouse and rat reactive.

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

DDC / DOPA Decarboxylase Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**DDC / DOPA Decarboxylase Antibody (C-Terminus) - 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.

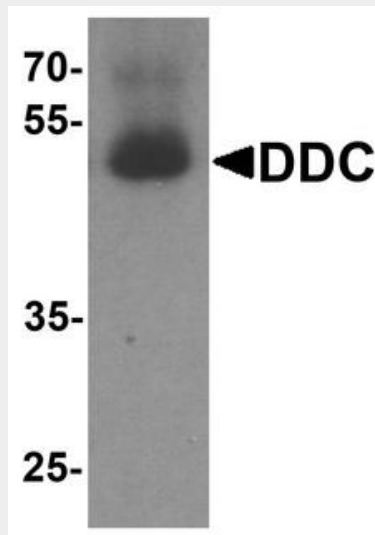
**DDC / DOPA Decarboxylase Antibody (C-Terminus) - Protocols**

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

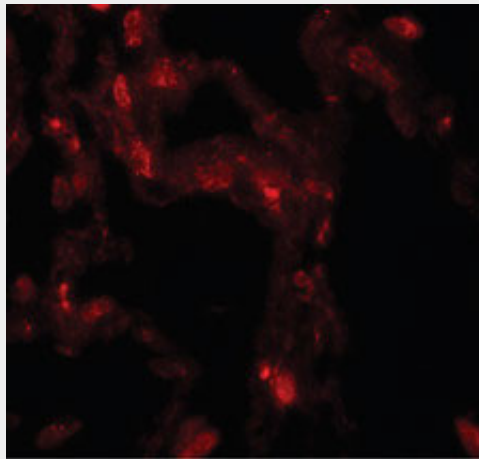
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

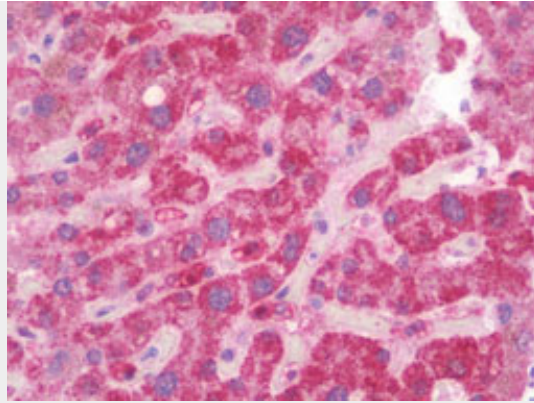
### DDC / DOPA Decarboxylase Antibody (C-Terminus) - Images



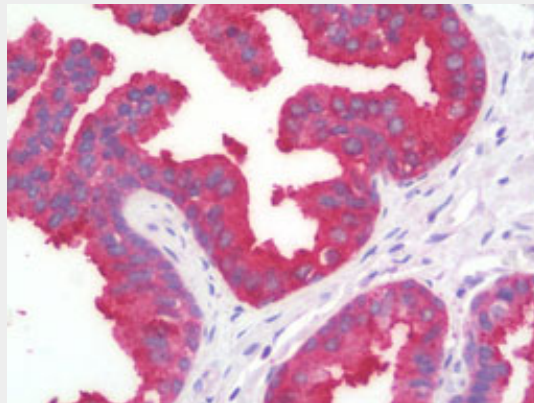
Western blot analysis of DDC in human lung tissue lysate with DDC antibody at 1 ug/ml.



Immunofluorescence of DDC in human lung tissue with DDC antibody at 20 ug/ml.



Anti-DDC / DOPA Decarboxylase antibody IHC staining of human liver.



Anti-DDC / DOPA Decarboxylase antibody IHC staining of human prostate.

### **DDC / DOPA Decarboxylase Antibody (C-Terminus) - Background**

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

### **DDC / DOPA Decarboxylase Antibody (C-Terminus) - References**

- Ichinose H.,et al.Biochem. Biophys. Res. Commun. 164:1024-1030(1989).
- Scherer L.J.,et al.Genomics 13:469-471(1992).
- Sumi-Ichinose C.,et al.Biochemistry 31:2229-2238(1992).
- Vassilacopoulou D.S.,et al.Neurochem. Res. 29:1817-1823(2004).
- Hillier L.W.,et al.Nature 424:157-164(2003).