

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

Specification

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

Application	WB, IF, IHC
Primary Accession	P20711
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.

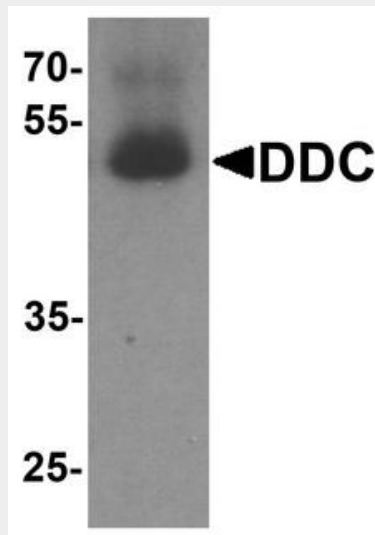
DDC / DOPA Decarboxylase Antibody (C-Terminus) - Protocols

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

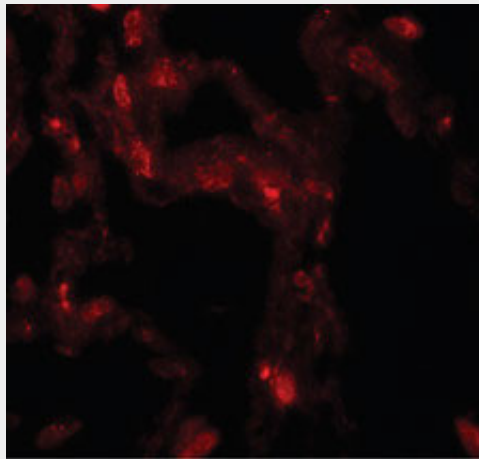
- [Western Blot](#)

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

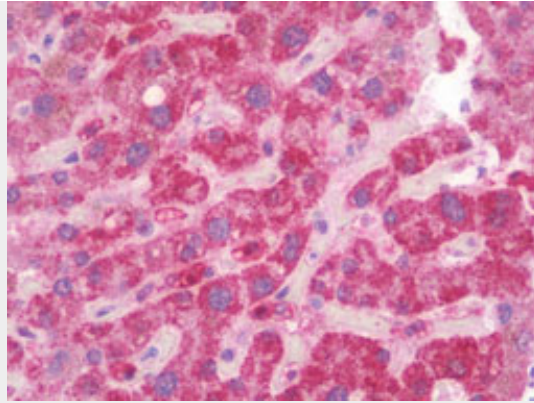
DDC / DOPA Decarboxylase Antibody (C-Terminus) - Images



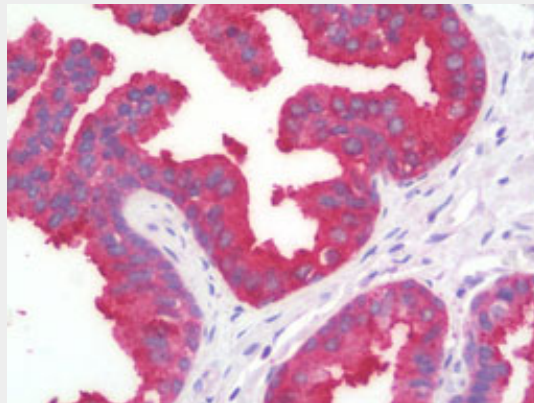
Western blot analysis of DDC in human lung tissue lysate with DDC antibody at 1 ug/ml.



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).