

DDC / DOPA Decarboxylase Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15129**Specification**

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

Application	WB, IHC-P
Primary Accession	P20711
Reactivity	Human, Rat, Sheep, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

DDC / DOPA Decarboxylase Antibody (N-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

Specific for the ~55k DDC protein

Reconstitution & Storage

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

Precautions

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

DDC / DOPA Decarboxylase Antibody (N-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.

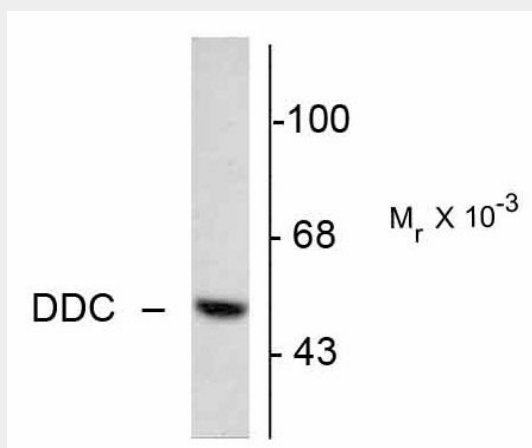
Volume

50 µl

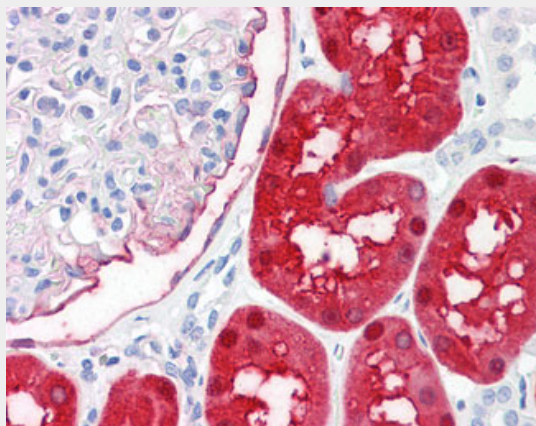
DDC / DOPA Decarboxylase Antibody (N-Terminus) - Protocols

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

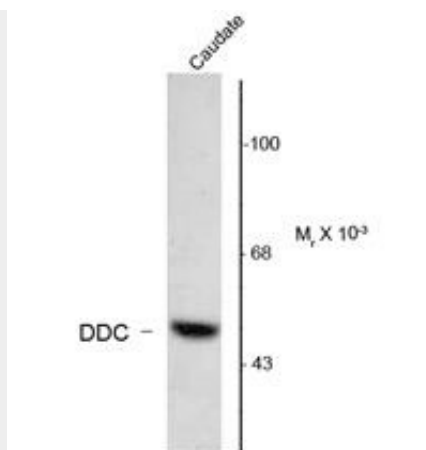
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

Western blot of 5 µg of bovine adrenal medulla lysate showing specific immunolabeling of the...



Anti-AADC / DOPA Decarboxylase antibody IHC of human kidney.



Western blot of 20 µg of human caudate lysate showing specific immunolabeling of the ~55k DOPA...

DDC / DOPA Decarboxylase Antibody (N-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 (N-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).