

Nur für Forschungszwecke

DOPA decarboxylase Polyklonaler Antikörper



Katalog-Nr.:10166-1-AP

9 Publikationen

Allgemeine Informationen

Katalog-Nr.:
10166-1-AP

Größe:
150ul , Konzentration: 200 µg/ml von
Nanodrop und 173 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0219

GenBank-Zugangsnummer:
BC008366

GeneID (NCBI):
1644

Vollständiger Name:
dopa decarboxylase (aromatic L-
amino acid decarboxylase)

Berechnete Masse:
54 kDa

Beobachtete Masse:
48-50 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:3000
IP 0.5-4.0 ug für IP und 1:500-1:1000
für WB
IHC 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigendemaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : SH-SY5Y-Zellen, Maushirngewebe,
Mausnierengewebe, PC-12-Zellen,
Rattennierengewebe

IP : Maushirngewebe,

IHC : Mausnierengewebe, humanes
Leberkarzinomgewebe, Maushirngewebe, Ratten-
Dünndarmgewebe, Rattennierengewebe

Hintergrundinformationen

Aromatic-L-amino-acid decarboxylase belongs to the pyridoxal-dependent aminotransferase superfamily.DDC catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine.DDC is the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD).Researches showed that Ddc is only one of the enzymes in the biosynthetic pathways for bioamines and catecholamines.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Mette Q Ludwig	33767443	Nat Metab	IHC
Ming Ming	19558709	J Transl Med	WB
Hao Qian	32581380	Nature	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

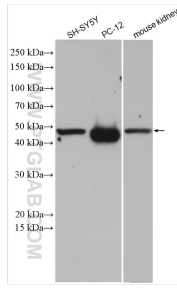
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

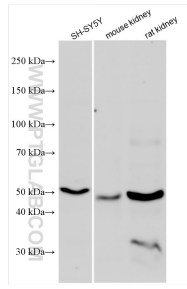
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

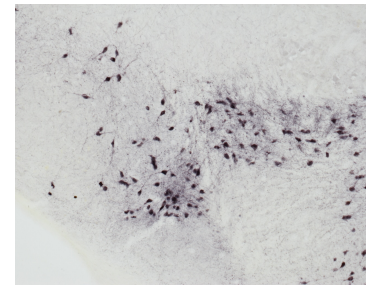
Ausgewählte Validierungsdaten



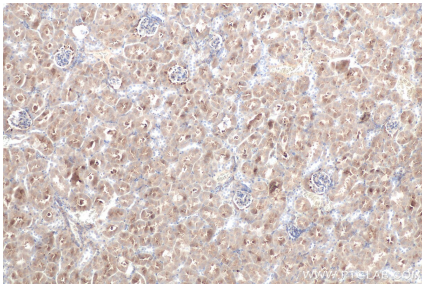
Various lysates were subjected to SDS PAGE followed by western blot with 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



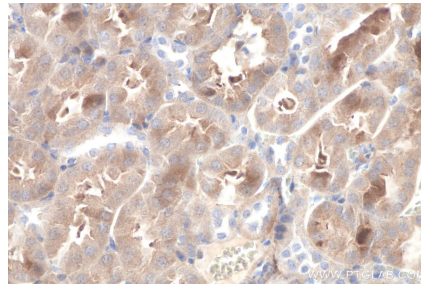
Various lysates were subjected to SDS PAGE followed by western blot with 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



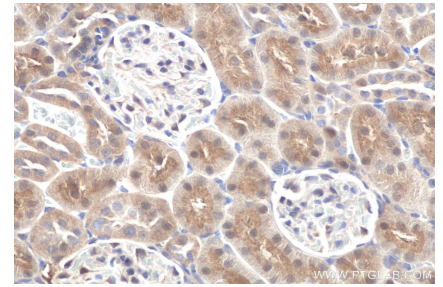
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:5000 (under 10x lens). Data from Neuroscience Associates, Inc.



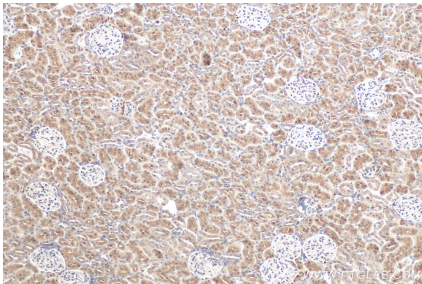
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



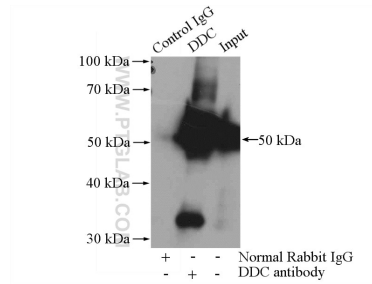
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-DOPA decarboxylase (IP:10166-1-AP, 4ug; Detection:10166-1-AP 1:800) with mouse brain tissue lysate 4000ug.