À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-DOPA decarboxylase

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:10166-1-AP 9 Publications

Informations de base

Numéro de catalogue:
10166-1-AP

Taille:
150ul , Concentration: 200 μg/ml by Nanodrop and 173 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0219

Numéro d'acquisition GenBank:
BC008366

Identification du gène (NCBI):
1644

Nom complet:
dopa decarboxylase (aromatic L-amino acid decarboxylase)

MW calculé
54 kDa

MW observés:
48-50 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:500-1:2000

Applications

Applications testées:
IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules SH-SY5Y, cellules PC-12, tissu cérébral de souris, tissu rénal de rat, tissu rénal de souris

IP : tissu cérébral de souris,

IHC : tissu rénal de souris, tissu cérébral de souris, tissu de cancer du foie humain, tissu d'intestin grêle de rat, tissu rénal de rat

Informations générales

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.

Publications notables

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

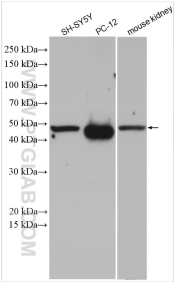
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

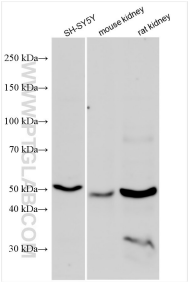
***** Les 20ul contiennent 0,1% de BSA.**

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

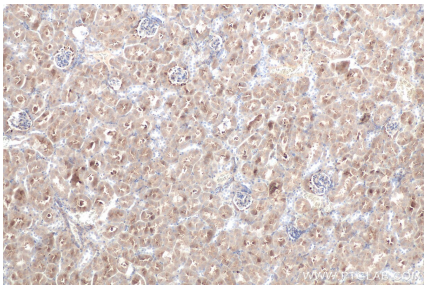
Données de validation sélectionnées



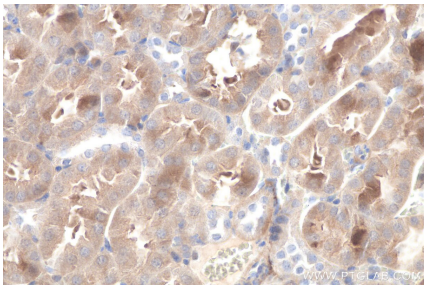
Various lysates were subjected to SDS PAGE followed by western blot with 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



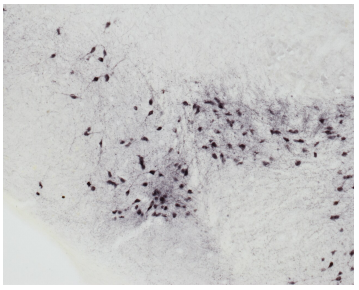
Various lysates were subjected to SDS PAGE followed by western blot with 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



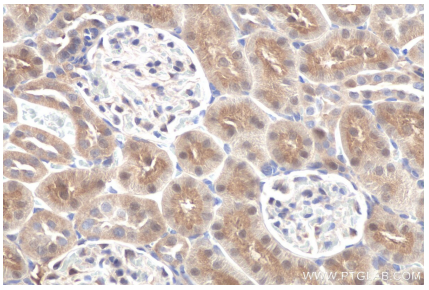
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



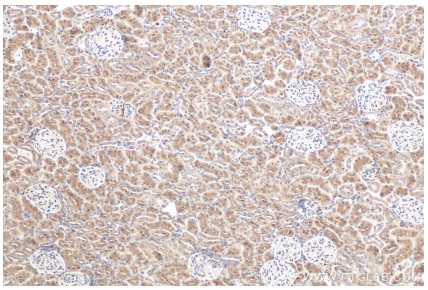
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



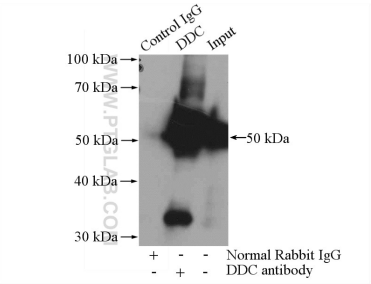
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10166-1-AP (DOPA decarboxylase antibody) at dilution of 1:5000 (under 10x lens). Data from NeuroScience Associates, Inc.



Immunohistochemical analysis of paraffin-embedded 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.