

For Research Use Only



CoraLite® Plus 488-conjugated DOPA decarboxylase Polyclonal antibody

Catalog Number: **CL488-10166**

Basic Information

Catalog Number: CL488-10166	GenBank Accession Number: BC008366	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1644	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P20711	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: dopa decarboxylase (aromatic L- amino acid decarboxylase)	
Immunogen Catalog Number: AG0219	Calculated MW: 54 kDa	
	Observed MW: 48-50 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : SH-SY5Y cells,
Species Specificity: human, mouse, rat	

Background Information

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 (AADC). Researches showed that Ddc is only one of the enzymes in the biosynthetic pathways for bioamines and catecholamines.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

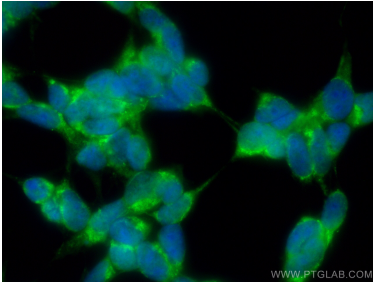
For technical support and original validation data for this product please contact:

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 DOPA decarboxylase antibody (CL488-10166) at dilution of 1:200.