

ARG63794 anti-DOPA decarboxylase antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DOPA decarboxylase
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise isoforms 1, 2, 3, 4 and 5 (NP_000781.1; NP_001229815.1; NP_001229816.1; NP_001229817.1; NP_001229818.1 respectively). Reported variants represent identical protein (NP_000781.1; NP_001076440.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DOPA decarboxylase
Species	Human
Immunogen	C-WEHIKELAADVL
Conjugation	Un-conjugated
Alternate Names	DOPA decarboxylase; AADC; DDC; Aromatic-L-amino-acid decarboxylase; EC 4.1.1.28

Application Instructions

Application table	Application	Dilution
	WB	0.03 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 1644 Human](#)

[Swiss-port # P20711 Human](#)

Background The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jun 2011]

Research Area Cancer antibody; Metabolism antibody; Neuroscience antibody

Calculated Mw 54 kDa

Images



ARG63794 anti-DOPA decarboxylase antibody WB image

Western Blot: Human Kidney lysate (35 µg protein in RIPA buffer) stained with ARG63794 anti-DOPA decarboxylase antibody at 0.03 µg/ml dilution.