Human/Mouse/Rat Dopa Decarboxylase/DDC Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3564N
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human Dopa Decarboxylase/DDC in direct ELISAs and human, mouse and rat Dopa Decarboxylase/DDC in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Dopa Decarboxylase/DDC Met1-Glu480 Accession # P20711
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Dopa decarboxylase (DDC), also known as aromatic amino acid decarboxylase, is a group II decarboxylase (1). The enzyme catalyzes the decarboxylation of aromatic L-amino acids to produce the corresponding amines. DDC produces the neurotransmitters dopamine and serotonin from L-Dopa and L-5-hydroxytryptophan, respectively. The inhibition of DDC could be used for the treatment of schizophrenia and Parkinson's disease (2).

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475