Datasheet for ABIN951969

anti-DBH antibody (N-Term)

4 Images | 2 Publications

Go to Product page

Overview

Quantity:	200 µL
Target:	DBH
Binding Specificity:	AA 34-64, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DBH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 34-64 amino acids from the N-terminal region of Human DBH.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human DBH (N-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	DBH
Alternative Name:	Dopamine beta-Hydroxylase (DBH Products)

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Target Details

Background:	The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. It is present in the synaptic vesicles of postganglionic sympathetic neurons and converts dopamine to norepinephrine. It exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. [provided by RefSeq].Synonyms: DBH, DBM, DOPO, Dopamine beta-monooxygenase
Molecular Weight:	69065 Da
Gene ID:	1621
NCBI Accession:	NP_000778
Pathways:	Carbohydrate Homeostasis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in:	Kawashima, Yajima, Tachiya, Kokubun, Ichikawa, Sato: "Parasympathetic neurons in the human submandibular ganglion." in: **Tissue & cell**, Vol. 70, pp. 101496, (2021) (PubMed).

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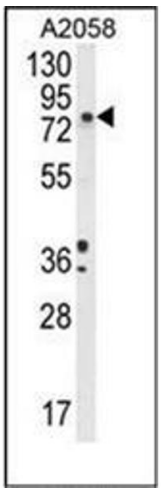
Publications

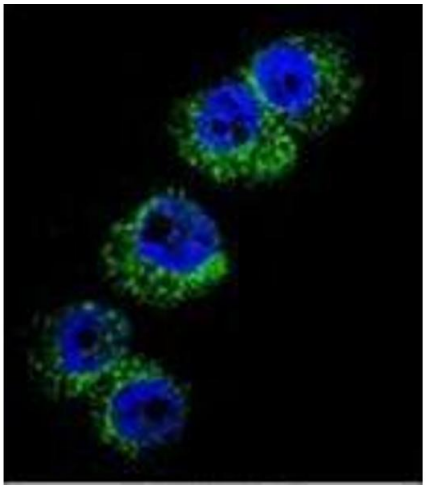
Kokubun, Sato, Yajima, Ichikawa: "Distribution of postganglionic neurons which contain dopamine β-hydroxylase, tyrosine hydroxylase, neuropeptide Y and vasoactive intestinal polypeptide in the human middle cervical ganglion." in: **Tissue & cell**, Vol. 58, pp. 42-50, (2019) (PubMed).

Images



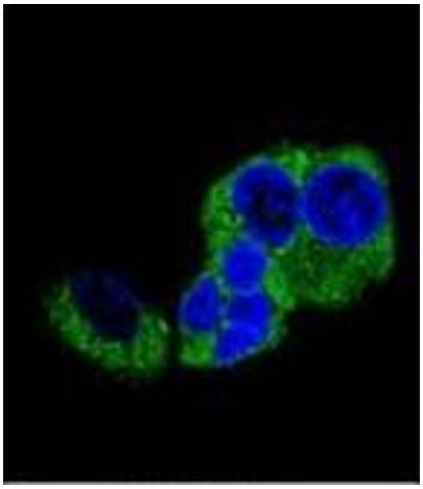
Western Blotting

Image 1. Western blot analysis of DBH Antibody (N-term) in A2058 cell line lysates (35ug/lane). This demonstrates the DBH antibody detected the DBH protein (arrow).



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of DBH Antibody (N-term) Cat.-No AP51191PU-N with A2058 cell followed by Alexa Fluor®488-conjugated Goat anti-Rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of DBH Antibody (N-term) Cat.-No AP51191PU-N with HepG2 cell followed by Alexa Fluor®488-conjugated Goat anti-Rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN951969.

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