

Datasheet for 600-601-D28**Dopamine Beta-Hydroxylase Antibody****Overview**

Description:	Anti-Dopamine β -Hydroxylase (SHEEP) Antibody - 600-601-D28
Item No.:	600-601-D28
Size:	100 μ L
Applications:	WB
Reactivity:	Human, Non-Human Primates
Host Species:	Sheep

Product Details

Background:	Dopamine beta Hydroxylase Antibody detects DBH which catalyzes the conversion of dopamine to norepinephrine and serves as a marker of noradrenergic cells. DBH antibodies and antibodies for other markers of catecholamine biosynthesis are widely used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse. The expression of DBH is also elevated during stress. Anti-Dopamine beta Hydroxylase Antibody is ideal for investigators involved in Neuroscience.
Synonyms:	Dopamine beta-monoxygenase, DBH
Host Species:	Sheep
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DBH
Reactivity:	Human, Non-Human Primates
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Dopamine beta-Hydroxylase Antibody was produced in sheep by repeated immunizations with synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH.

Purity/Specificity: Anti-Dopamine beta Hydroxylase Antibody is directed against human Dopamine beta Hydroxylase. Anti-Dopamine beta Hydroxylase antibody was affinity purified from monospecific antiserum by immunoaffinity purification. Anti-Dopamine beta Hydroxylase antibody recognizes Dopamine beta Hydroxylase from human and NHP sources. Cross reactivity with Dopamine beta Hydroxylase from other species has not been determined.

Relevant Links:

- [UniProtKB - P09172](#)
- [GeneID - 1621](#)
- [UniProtKB - P09172.3](#)

Application Details

Tested Applications: WB

Application Note: Anti-Dopamine beta-Hydroxylase Antibody is tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 75 kDa in size corresponding to DBH protein in the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

WB: 1:1000

Formulation

Physical State: Liquid

Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5

Stabilizer: 0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

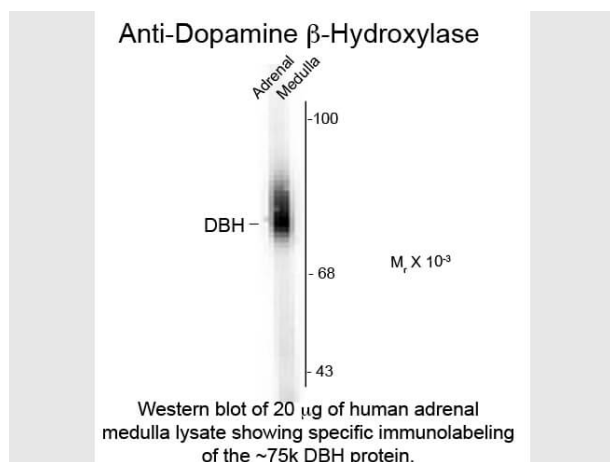
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Anti-Dopamine β -Hydroxylase (Sheep) Antibody. Lane 1: human adrenal medulla lysate. Lane 2: none. Load: 10 μ g per lane. Primary antibody: Dopamine β -Hydroxylase antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ sheep secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~75kDa/~75kDa for DBH protein. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.