

Datasheet for 600-401-DY5**RHBDD2 Antibody****Overview**

Description:	Anti-RHBDD2 (RABBIT) Antibody - 600-401-DY5
Item No.:	600-401-DY5
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Rhomboid family of proteins is made up of several widely conserved polytopic membrane serine proteases that play roles in growth and development. Little is known about the role of RHBDD2. Its overexpression in breast carcinoma appears to be an indicator of poor prognosis and may play a role in breast cancer progression. The related proteins RHBDD1 and RHBDD3 are both involved in the regulation of apoptosis, suggesting that RHBDD2 may also be involved in the modulation of apoptotic activity.
Synonyms:	RHBDD2 Antibody, NPD007, RHBDL7, Rhomboid domain-containing protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RHBDD2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RHBDD2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the internal region of human RHBDD2.

Purity/Specificity: Anti-RHBDD2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RHBDD2 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q6NTF9](#)
- [GeneID - 57414](#)
- [NCBI - NP_001035546](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-RHBDD2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 kDa in Western Blots of specific cell lysates and tissues.

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

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

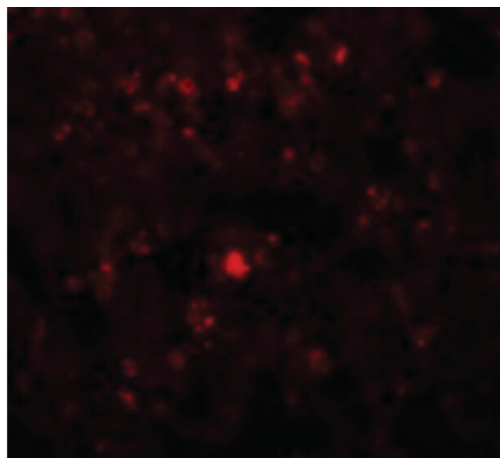
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

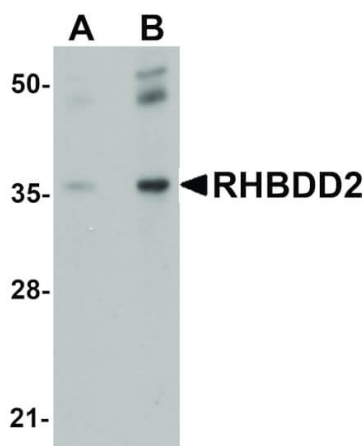
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence Microscopy of RHBDD2 antibody.
 Tissue: Rat lung cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: RHBDD2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT.
 Localization: RHBDD2 is a membrane protein. Staining: RHBDD2 as red fluorescent signal.



Western Blot

Western Blot of RHBDD2 antibody. Lane 1: rat lung tissue lysate with RHBDD2 antibody at 1 µg/mL. Lane 2: rat lung tissue lysate with RHBDD2 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 39 kDa, 37 kDa for RHBDD2. Other band(s): RHBDD2 splice variants and isoforms.

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.