

Datasheet for 600-401-DY3**RHAMM Antibody****Overview**

Description:	Anti-RHAMM (RABBIT) Antibody - 600-401-DY3
Item No.:	600-401-DY3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The hyaluronan-mediated motility receptor, also known as RHAMM, was initially identified as a soluble protein that could be released by sub-confluent migrating cells, promoting cell motility and invasion via interactions with hyaluronan (HA) and the cell surface. While RHAMM is normally poorly expressed in most normal tissues and is not required for embryonic development or normal cell homeostasis functions, its expression is increased during wound repair in response to hypoxia and fibrogenic factors. However, its overexpression is transforming in multiple types of cancers and is required for maintaining RAS transformation. RHAMM associates with BRCA1 and BARD1, attenuating the mitotic-spindle-promoting activity of RHAMM, which may contribute to tumor progression by promoting genomic instability.
Synonyms:	RHAMM Antibody, CD168, IHABP, RHAMM, Hyaluronan mediated motility receptor, Intracellular hyaluronic acid-binding protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HMMR
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-RHAMM antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide near the N-terminus of human RHAMM.
Purity/Specificity:	Anti-RHAMM Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RHAMM from other sources has not been determined.
Relevant Links:	• UniProtKB - O75330 • GeneID - 3161 • NCBI - NP_036617

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RHAMM Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 84 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
IF:	5 µg/mL
IHC:	2.5 µg/mL
WB:	1 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

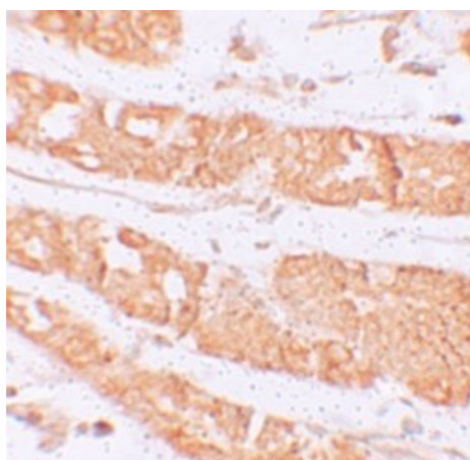
Shipping & Handling

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

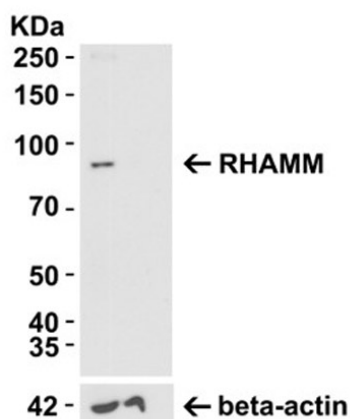


Immunohistochemistry

Immunohistochemistry of RHAMM.

Tissue: human stomach tissue.

Primary Antibody: RHAMM antibody at 2.5 µg/mL.



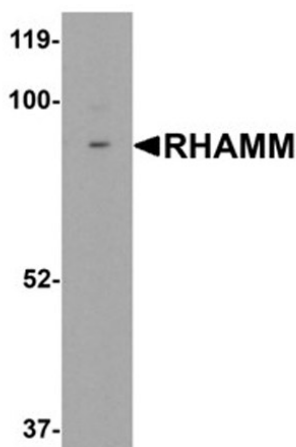
Western Blot

KO Validation of RHAMM.

Load: 10 µg of HeLa cell lysate.

Primary Antibody: RHAMM antibody at 1 µg/mL and beta-actin at 1µg/mL for 1 h incubation at RT in 5% NFDm/TBST.

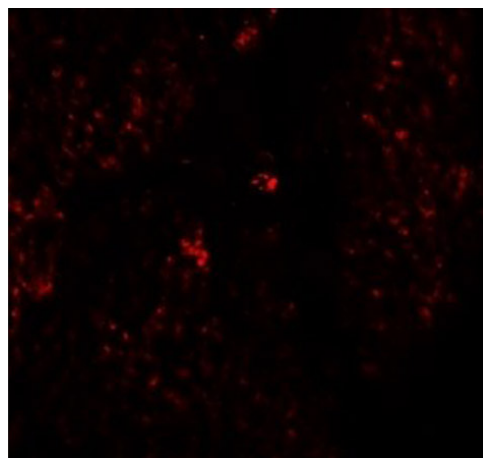
Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

**Western Blot**

Western blot analysis of RHAMM.

Load: rat stomach tissue lysate.

Primary Antibody: RHAMM antibody at 0.5 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of RHAMM.

Tissue: human stomach tissue.

Primary Antibody: RHAM antibody at 20 µg/mL.

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.