

Datasheet for 200-901-BD6**FAM82A1 Antibody****Overview**

Description:	Anti-FAM82A1 (CHICKEN) Antibody - 200-901-BD6
Item No.:	200-901-BD6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	The human protein FAM82A1, also known as regulator of microtubule dynamics 2 (RMD2), was one of three proteins identified as related to a family of microtubule-associated proteins in <i>C. elegans</i> . FAM82A1 contains multiple coiled-coil domains and localizes to the spindle microtubules and spindle poles during cell division. During interphase, RMD2 localizes to the cytoplasm with protein observed in the microtubule lattice and perinuclear region.
Synonyms:	FAM82A1 Antibody, RMD2, RMD4, RMD-2, FAM82A, BLOCK18, FAM82A1, PRO34163, PYST9371, UNQ9371/PRO34163, Regulator of microtubule dynamics protein 2, Protein FAM82A1
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	RMDN2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FAM82A1 antibody was prepared from chicken egg fractions produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human FAM82A1.
Purity/Specificity:	Anti-FAM82A1 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. Cross reactivity with FAM82A1 from other sources has not been determined.

Relevant Links:	• UniProtKB - Q96LZ7 • GeneID - 151393 • NCBI - NP_653314
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-FAM82A1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 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

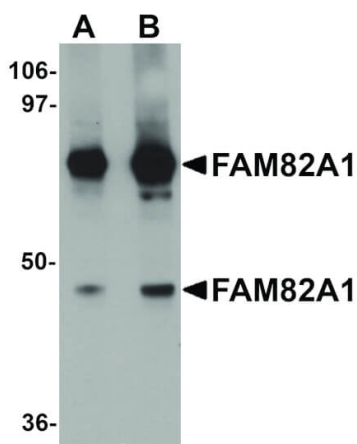
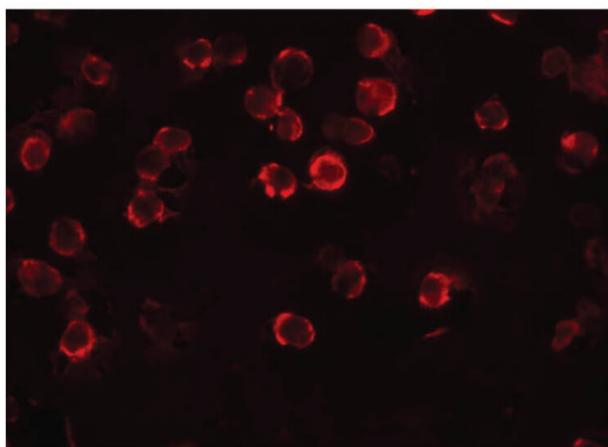
Formulation

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 FAM82A1 antibody.
 Tissue: K562 cells. Fixation: 0.5% PFA. Antigen retrieval:
 not required. Primary antibody: FAM82A1 antibody at 20
 $\mu\text{g/mL}$ for 1 h at RT. Secondary antibody: Fluorescein
 chicken secondary antibody at 1:10,000 for 45 min at RT.
 Localization: FAM82A1 is cytoplasmic and a membrane
 protein. Staining: FAM82A1 as red fluorescent signal.

Western Blot

Western Blot of FAM82A1 antibody. Lane 1: K562 cell
 lysate with FAM82A1 antibody at 1 $\mu\text{g/mL}$. Lane 2: K562 cell
 lysate with FAM82A1 antibody at 2 $\mu\text{g/mL}$. Secondary
 antibody: Peroxidase chicken secondary antibody at
 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at
 4°C. Predicted/Observed size: 48 kDa, 48 kDa for FAM82A1 .
 Other band(s): FAM82A1 splice variants and isoforms.

Immunohistochemistry

Immunocytochemistry of FAM82A1 antibody. Tissue: K562
 cells. Fixation: formalin fixed paraffin embedded. Antigen
 retrieval: not required. Primary antibody: FAM82A1
 antibody at 5 $\mu\text{g/mL}$ for 1 h at RT. Secondary antibody:
 Peroxidase chicken secondary antibody at 1:10,000 for 45
 min at RT. Localization: FAM82A1 is cytoplasmic and a
 membrane protein. Staining: FAM82A1 as precipitated pink
 signal with blue counterstain.



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.