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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-DG1

OCIAD2 Antibody

Overview

Description:	Anti-OCIAD2 (RABBIT) Antibody - 600-401-DG1
Item No.:	600-401-DG1
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	OCIAD2 was identified by its sequence similarity with OCIAD1, and together OCIAD1 and OCIAD2 form the OCIA domain family. OCIAD2 mRNA was found to be expressed at higher levels in invasive adenocarcinoma mixed subtype with bronchioloalveolar carcinoma component (BAC) of the lung. Loss of OCIAD2 expression was significantly correlated with lymphatic invasion, blood vessel invasion, and lymph node metastasis, indicating that OCIAD2 may play a role in cell adhesion and prevention of cell migration. While the function of OCIAD2 is still unknown, its expression in adenocarcinoma with BAC component is significantly associated with a favorable prognosis and may serve as a marker for selecting tumors that are treatable by limited surgery.
Synonyms:	OCIAD2 Antibody, OCIA domain-containing protein 2, Ovarian carcinoma immunoreactive antigen-like protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	OCIAD2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-OCIAD2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the N-terminus of human OCIAD2.
Purity/Specificity:	Anti-OCIAD2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with OCIAD2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q56VL3 • GeneID - 132299 • NCBI - NP_001014446

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-OCIAD2 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 17 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:	1:5,000 - 1:10,000
IF:	20 µg/mL
WB:	.5-1 µg/mL

Formulation

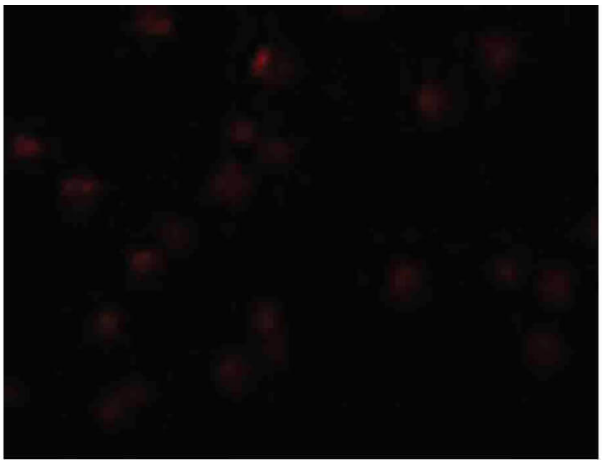
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

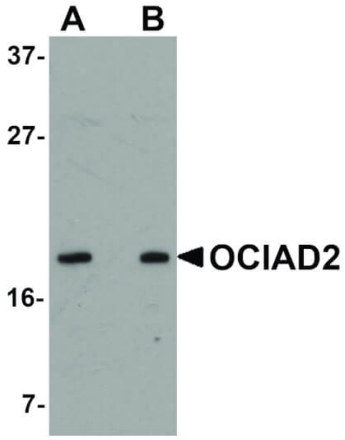
Shipping Condition:	Dry Ice

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



Immunofluorescence Microscopy
Immunofluorescence Microscopy of OCIAD2 antibody. Tissue: A549 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: OCIAD2 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: OCIAD2 is localized in the endosome. Staining: OCIAD2 as red fluorescent signal.



Western Blot
Western Blot of OCIAD2 antibody. Lane 1: SK-N-SH cell lysate with OCIAD2 antibody at 0.50 µg/mL. Lane 2: SK-N-SH cell lysate with OCIAD2 antibody at 1 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: 17 kDa, 20 kDa for OCIAD2. Other band(s): OCIAD2 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.