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Datasheet for 600-401-AR4

CXCR3 Antibody

Overview

Description:	Anti-CXCR3 (RABBIT) Antibody - 600-401-AR4
Item No.:	600-401-AR4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The CXCR3 protein is a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-gamma), CXCL10/IP10 (interferon-gamma-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell alpha-chemoattractant) (reviewed in 1). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration (2). Similar to other chemokine receptors such as CXCR4, CXCR3 has been implicated in several malignancies as a biomarker of tumor behavior as well as a potential therapeutic target (3).
Synonyms:	CXCR3 Antibody, GPR9, MigR, CD182, CD183, Mig-R, CKR-L2, CMKAR3, IP10-R, GPR9, C-X-C chemokine receptor type 3, CXC-R3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CXCR3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CXCR3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human CXCR3

Purity/Specificity:	Anti-CXCR3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CXCR3 antibody is human, mouse and rat reactive. At least two isoforms of CXCR3 are known to exist; this antibody will detect both isoforms.
Relevant Links:	• UniProtKB - P49682 • GeneID - 2833 • NCBI - NP_001136269

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CXCR3 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 41 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

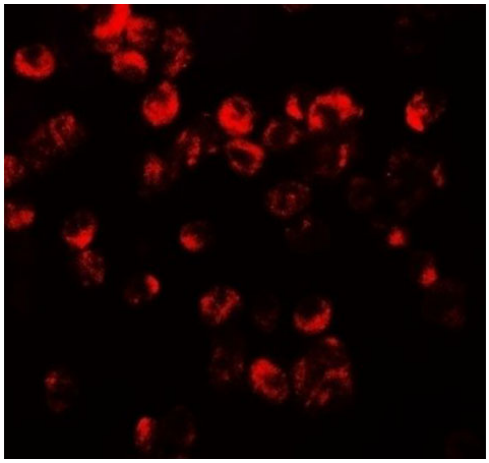
Formulation

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

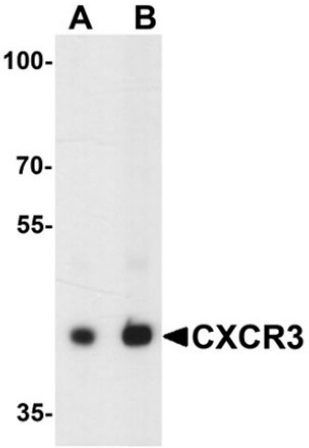
Shipping & Handling

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.

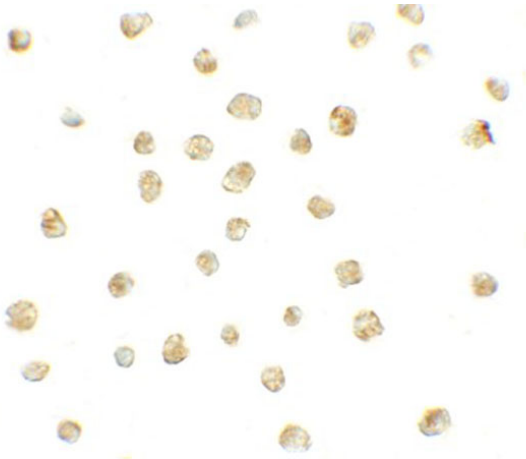
Images



Immunofluorescence Microscopy
Immunofluorescence of CXCR3.
Cell: HepG2 cells.
Primary Antibody: CXCR3 antibody at 20 µg/mL.



Western Blot
Western blot of CXCR3.
Load: HepG2 lysate.
Primary Antibody: CXCR3 antibody at (A) 1 and (B) 2 µg/ml.



Immunocytochemistry
Immunocytochemistry of CXCR3.
Cell: HepG2 cells.
Primary Antibody: CXCR3 antibody at 5 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.