

Datasheet for 600-401-GC6**ZC3H12C Antibody****Overview**

Description:	Anti-ZC3H12C (RABBIT) Antibody - 600-401-GC6
Item No.:	600-401-GC6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	ZC3H12C, also known as MCP3, is a member of a family of novel CCH-zinc finger proteins that includes ZC3H12A, a protein that is thought to be involved in macrophage activation, host immunity and inflammatory diseases. Similar to ZC3H12A, ZC3H12C expression in macrophages is highly increased after treatment with lipopolysaccharide (LPS), suggesting it also may play a role in host immunity and inflammatory response.
Synonyms:	ZC3H12C Antibody, MCP3, KIAA1726, MCP3, Probable ribonuclease ZC3H12C, MCP-induced protein 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZC3H12C
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZC3H12C antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human ZC3H12C.
Purity/Specificity:	Anti-ZC3H12C Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ZC3H12C from other sources has not been determined.

Relevant Links:	• UniProtKB - Q9C0D7 • GeneID - 85463 • NCBI - NP_203748.1
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZC3H12C 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 99 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:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

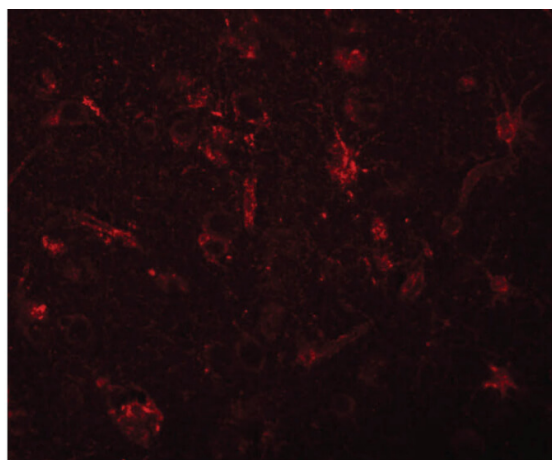
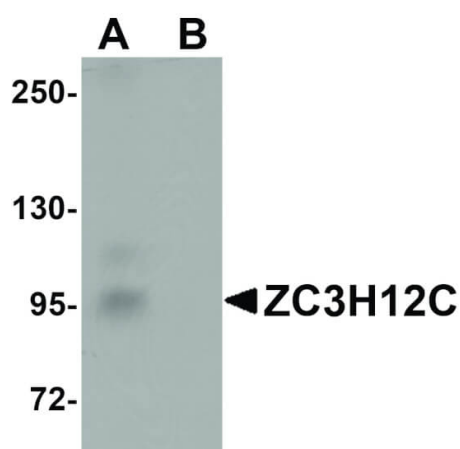
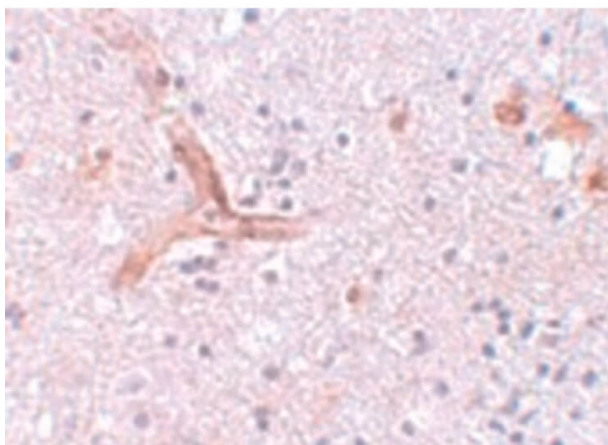
Formulation

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 ZC3H12C antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ZC3H12C antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ZC3H12C is nuclear. Staining: ZC3H12C as precipitated pink signal with purple nuclear counterstain.

Western Blot

Western Blot of ZC3H12C antibody. Lane 1: rat brain tissue lysate in the absence of blocking peptide. Lane 2: rat brain tissue lysate in the presence of blocking peptide. Primary Antibody: Anti-ZC3H12C 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: 99 kDa, 96 kDa for ZC3H12C. Other band(s): ZC3H12C splice variants and isoforms.

Immunofluorescence Microscopy

Immunofluorescence Microscopy of ZC3H12C antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ZC3H12C 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: ZC3H12C is nuclear. Staining: ZC3H12C as red fluorescent signal.

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.