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+1 484.791.3823

Datasheet for 600-401-CR8

MCG10 Antibody

Overview

Description:	Anti-MCG10 (RABBIT) Antibody - 600-401-CR8
Item No.:	600-401-CR8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	MCG10 is a member of the KH-domain RNA-binding protein family. Proteins of this family also referred to as alpha-CPs, bind to RNA with specificity for C-rich pyrimidine regions. Alpha-CPs play important roles in post-transcriptional activities and have different cellular distributions. MCG10 is induced by p53 and DNA damage via two p53-responsive promoter elements. Its overexpression in transfected cells results in the suppression of cell proliferation by inducing apoptosis and cell cycle arrest in G2-M. Decreased expression of one isoform of MCG10 has been observed in many forms of lung cancer, leading to speculation that MCG10 can act as a tumor suppressor. Multiple alternatively spliced isoforms of MCG10 have been identified.
Synonyms:	MCG10 Antibody, CBP, LIP4, MCG10Alpha-CP4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PCBP4
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MCG10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the C-terminus of human MCG10.

Purity/Specificity:	Anti-MCG10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MCG10 from other sources has not been determined.
Relevant Links:	• UniProtKB - P57723 • GeneID - 57060 • NCBI - EAW65166

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-MCG10 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:	1:5000 - 1:20,000
IF:	20 µg/mL
WB:	0.5 - 2 µg/ml

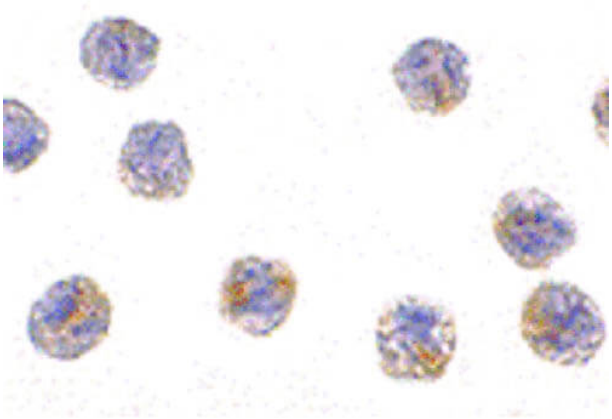
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/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

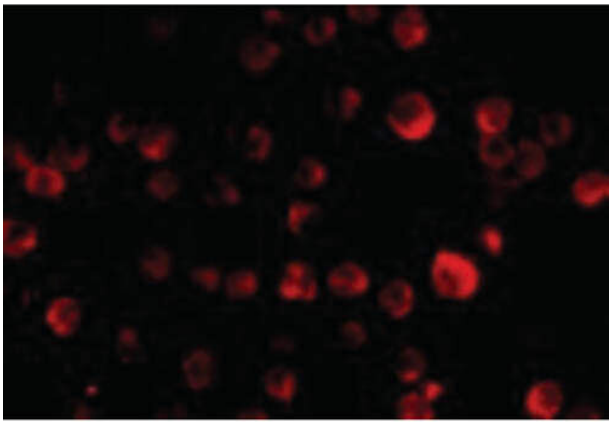
Shipping & Handling

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.

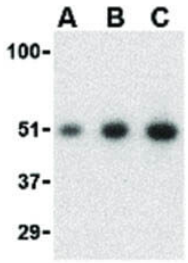
Images



Immunocytochemistry
Immunocytochemistry of MCG10 antibody. Cells: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: MCG10 antibody at 1 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: MCG10 cytoplasmic. Staining: MCG10 as precipitated brown signal with hematoxylin blue nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of MCG10 antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: MCG10 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: MCG10 is cytoplasmic. Staining: MCG10 as red fluorescent signal.



Western Blot
Western Blot of MCG10 antibody. Lane 1: HeLa cell lysate with MCG10 at 0.5 µg/mL. Lane 2: HeLa cell lysate with MCG10 at 1 µg/mL. Lane 3: HeLa cell lysate with MCG10 at 2 µg/mL. Load: 35 µg per lane. 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: 41.5 kDa, 51 kDa for MCG10.

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Disclaimer

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