

For Research Use Only

CHI3L1/YKL40 Polyclonal antibody

Catalog Number: 30419-1-AP



Basic Information

Catalog Number:

30419-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33123

GenBank Accession Number:

BC008568

GeneID (NCBI):

1116

UNIPROT ID:

P36222

Full Name:

chitinase 3-like 1 (cartilage glycoprotein-39)

Calculated MW:

383 aa, 43 kDa

Observed MW:

40-43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HT-29 cells, HepG2 cells

IF/ICC : THP-1 cells,

Background Information

Chitinase 3-like-1 (CHI3L1/YKL-40/CGP-39/GP-39/hCGP-39) is a protein secreted from restricted cell types including colonic epithelial cells (CECs) and macrophages. CHI3L1 is an inflammation-associated molecule, and its expression is enhanced in persons with colitis and colon cancer. CHI3L1 is a 40 kDa protein and is produced by restricted cell types, including colonic epithelial cells (CECs) and macrophages. CHI3L1 can be detected in the Golgi apparatus and the endoplasmic reticulum, but its major sites of action seems to be extracellular as a secreted protein. (PMID:21763261)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

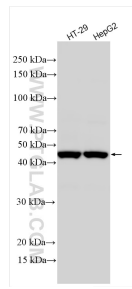
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

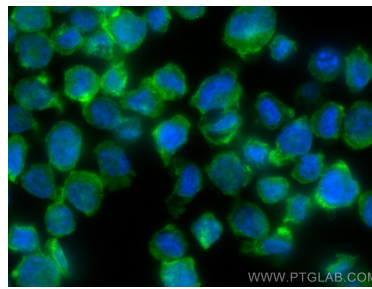
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30419-1-AP (CHI3L1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CHI3L1/YKL40 antibody (30419-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).