

Rabbit Anti-CHI3L1 antibody

SL10215R

Product Name	CHI3L1
Chinese Name	软骨 glycoprotein39 抗体
Alias	CHI3L1; 39 kDa synovial protein; ASRT7; Cartilage glycoprotein 39; CGP39; chitinase 3 like 1 (cartilage glycoprotein 39); chitinase 3 like 1; Chitinase 3 like protein 1 precursor; chitinase; GP 39; GP39; HC gp39; HCGP 3P; HCgp39; YKL 40; YKL40; CGP-39; CH3L1_HUMAN; chitinase 3 like 1; Chitinase-3-like protein 1 hCGP-39; YKL-40; YYL 40.
Research Area	Cell biology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, (predicted: Mouse, Rat,)
Applications	WB=1:500-2000,Flow-Cyt=1μg/Test (Paraffin sections need antigen repair not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	42kDa
Cellular localization	cytoplasmic Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CHI3L1: 301-383/383
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Chitinases catalyze the hydrolysis of chitin, which is an abundant

glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling. [provided by RefSeq, Sep 2009]

Function:

Carbohydrate-binding lectin with a preference for chitin. May play a role in defense against pathogens, or in tissue remodeling. May play an important role in the capacity of cells to respond to and cope with changes in their environment.

Subunit:

Monomer.

Subcellular Location:

Secreted, extracellular space.

Tissue Specificity:

Present in articular chondrocytes, synovial cells as well as in liver. Undetectable in muscle tissues, lung, pancreas, mononuclear cells, or fibroblasts.

Similarity:

Belongs to the glycosyl hydrolase 18 family.

SWISS:

Q9WTV1

Gene ID:

89824

Database links:

[Entrez Gene: 1116](#) Human

[Entrez Gene: 12654](#) Mouse

[Entrez Gene: 396865](#) Pig

[Entrez Gene: 89824](#) Rat

[Omim: 601525](#) Human

[SwissProt: P36222](#) Human

[SwissProt: Q61362](#) Mouse

[SwissProt: Q5RBP6](#) Orangutan

[SwissProt: Q29411](#) Pig

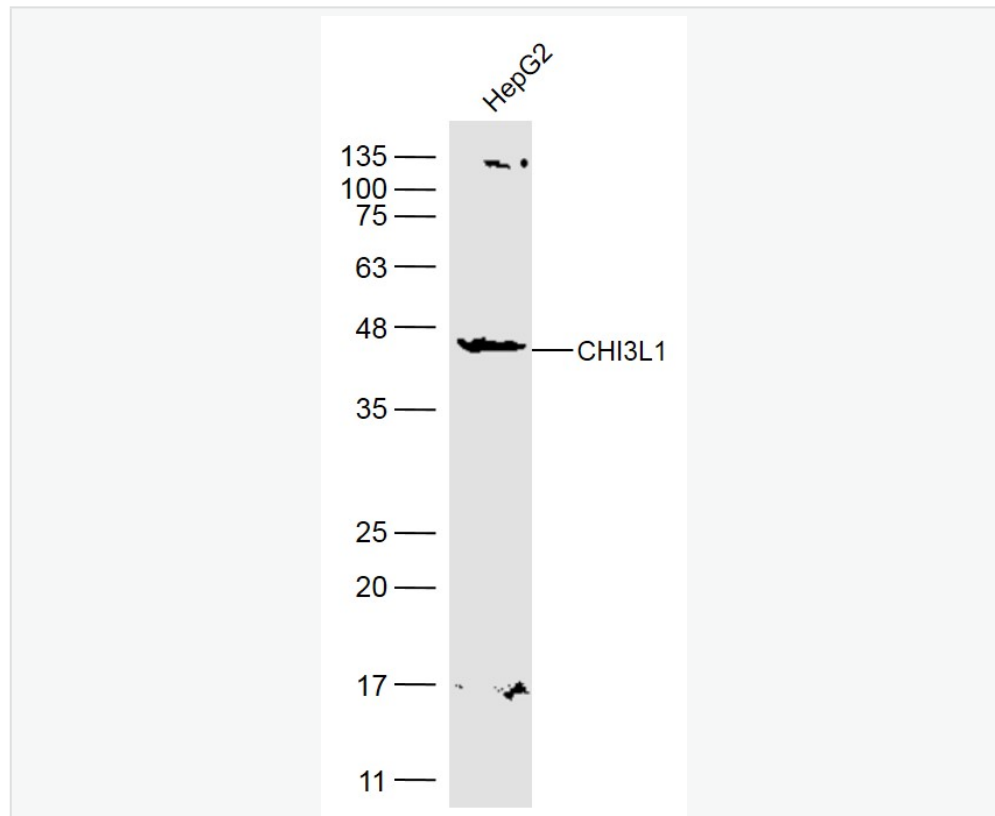
[SwissProt: Q9WTV1](#) Rat

[Unigene: 382202](#) Human

[Unigene: 38274](#) Mouse

[Unigene: 68940](#) Rat

Product Picture



Sample:

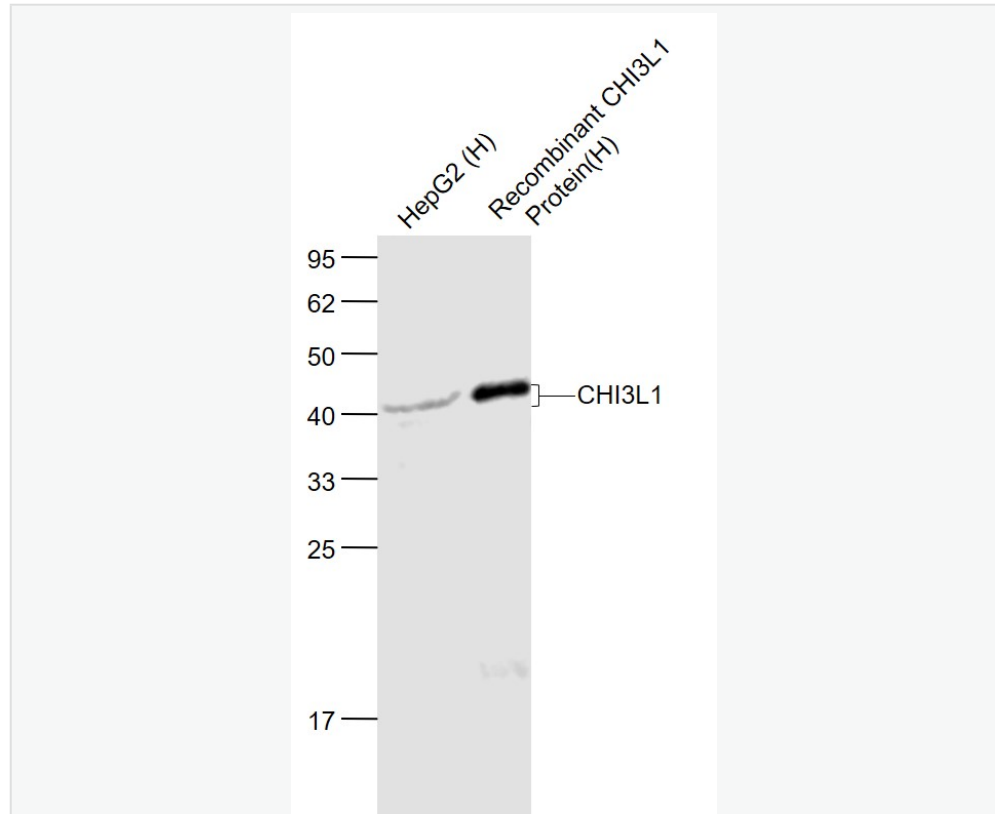
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-CHI3L1 (SL10215R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kD

Observed band size: 42 kD



Sample:

HepG2 (Human) Cell Lysate at 30 ug

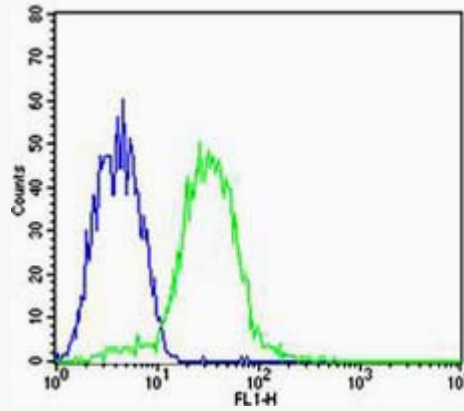
Recombinant human CHI3L1 Protein (SL41221P) at 2 ug

Primary: Anti-CHI3L1 (SL10215R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kD

Observed band size: 42 kD



Cell: HepG2

Concentration: 1:100

Host/Isotype:Rabbit/IgG

Flow cytometric analysis of Rabbit IgG isotype control (Cat#: SL10215R) on HepG2(green) compared with control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG(H+L) secondary antibody .