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## Datasheet for ABIN7112692 anti-CHI3L1 antibody

### Overview

Quantity:	100 µg
Target:	CHI3L1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHI3L1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

### Product Details

Immunogen:	chitinase 3-like 1(cartilage glycoprotein-39)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	CHI3L1
Alternative Name:	CHI3L1 ( <a href="#">CHI3L1 Products</a> )
Target Type:	Viral Protein
Background:	Synonyms:39 kDa synovial protein, ASRT7, Cartilage glycoprotein 39, CGP 39, CHI3L1, Chitinase 3 like protein 1, GP 39, GP39, HC gp39, hCGP 39, HCGP 3P, YKL 40, YKL40, YYL 40

## Target Details

Background: Carbohydrate-binding lectin with a preference for chitin. Has no chitinase activity. May play a role in tissue remodeling and in the capacity of cells to respond to and cope with changes in their environment. Plays a role in T-helper cell type 2 (Th2) inflammatory response and IL-13-induced inflammation, regulating allergen sensitization, inflammatory cell apoptosis, dendritic cell accumulation and M2 macrophage differentiation. Facilitates invasion of pathogenic enteric bacteria into colonic mucosa and lymphoid organs. Mediates activation of AKT1 signaling pathway and subsequent IL8 production in colonic epithelial cells. Regulates antibacterial responses in lung by contributing to macrophage bacterial killing, controlling bacterial dissemination and augmenting host tolerance. Also regulates hyperoxia-induced injury, inflammation and epithelial apoptosis in lung.

Molecular Weight: 43 kDa

Gene ID: 1116

UniProt: [P36222](#)

## Application Details

Application Notes: IHC: 1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months