

## Product datasheet

# Anti-YKL-40/CHI3L1 antibody ab193440

### Overview

<b>Product name</b>	Anti-YKL-40/CHI3L1 antibody
<b>Description</b>	Rabbit polyclonal to YKL-40/CHI3L1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human YKL-40/CHI3L1. Database link: <a href="#">P36222</a>
<b>General notes</b>	Previously labelled as CHI3L1

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.1% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab193440 is affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab193440** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 43 kDa.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Present in activated macrophages, articular chondrocytes, synovial cells as well as in liver. Undetectable in muscle tissues, lung, pancreas, mononuclear cells, or fibroblasts.
<b>Involvement in disease</b>	A genetic variation in CHI3L1 is associated with susceptibility to asthma-related traits type 7 (ASRT7) [MIM:611960]. Asthma-related traits include clinical symptoms of asthma, such as coughing, wheezing and dyspnea, bronchial hyperresponsiveness (BHR) as assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.
<b>Sequence similarities</b>	Belongs to the glycosyl hydrolase 18 family.
<b>Post-translational modifications</b>	Glycosylated.
<b>Cellular localization</b>	Secreted > extracellular space.

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