

Rabbit anti-Human CHI3L2 Polyclonal Antibody | anti-CHI3L2 antibody

Anti-CHI3L2 Antibody, Rabbit Polyclonal

CATALOG # AAA255529	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

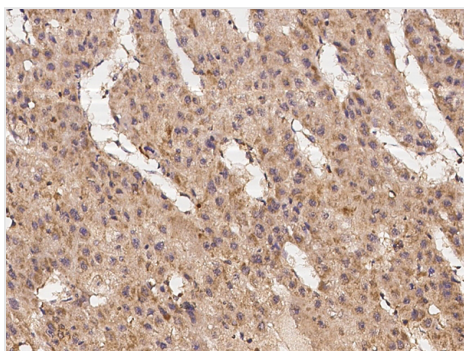
PRODUCT SYNONYMS

CHI3L2; Polyclonal Antibody; Anti-CHI3L2 Antibody; Rabbit Polyclonal; CHI3L2 Antibody; Rabbit PAb; Antigen Affinity Purified; chitinase 3 like 2; Anti-CHI3L2 Antibody; Anti-YKL-39 Antibody; Anti-YKL39 Antibody; anti-CHI3L2 antibody

PRODUCT SPECIFICATIONS

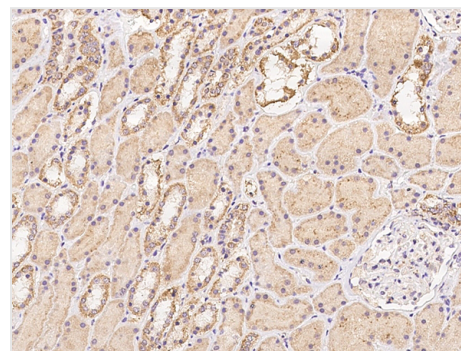
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CHI3L2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CHI3L2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human CHI3L2 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CHI3L2 (rh CHI3L2). CHI3L2 specific IgG was purified by Human CHI3L2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human CHI3L2 in human hepatoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CHI3L2 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CHI3L2 antibody	Chondrocyte protein 39 (YKL-39), also known as Chitinase 3-like 2 (CHI3L2), is a secretory protein of articular chondrocytes belonging to the glycosyl hydrolase 18 family. Its highest expression is in chondrocytes, followed by synoviocytes, lung and heart. YKL-39/CHI3L2 is not detected in spleen, pancreas, and liver. YKL-39/CHI3L2 may also be expressed in developing brain and placenta. YKL-39/CHI3L2, a cartilage-related protein, is found to induce arthritis accompanied by pathologic changes in bone and cartilage. A better understanding of the immune response against cartilage-related components including YKL-39 may help to elucidate the pathological processes of arthritic disorders. Upregulation of YKL-39/CHI3L2 in osteoarthritic cartilage suggests that YKL-39/CHI3L2 may be a more accurate marker of chondrocyte activation than YKL-40, although it has yet to be established as a suitable marker in synovial fluid and serum. The decreased expression of YKL-40 by osteoarthritic chondrocytes is surprising as increased levels have been reported in rheumatoid and osteoarthritic synovial fluid, where it may derive from activated synovial cells or osteophytic tissue or by increased matrix destruction in the osteoarthritic joint. YKL-39 and YKL-40 are potentially interesting marker molecules for arthritic joint disease because they are abundantly expressed by both normal and osteoarthritic chondrocytes.
References	Sakata M, et al. (2002) YKL-39, a human cartilage-related protein, induces arthritis in mice. Clin Exp Rheumatol. 20(3): 343-50. Areshkov PA, et al. (2010) Chitinase 3-like protein 2 (CHI3L2, YKL-39) activates phosphorylation of extracellular signal-regulated kinases ERK1/ERK2 in human embryonic kidney (HEK293) and human glioblastoma (U87 MG) cells. Tsiol Genet. 44(1): 3-9. Steck E, et al. (2002) Enhanced expression of the human chitinase 3-like 2 gene (YKL-39) but not chitinase 3-like 1 gene (YKL-40) in osteoarthritic cartilage. Biochem Biophys Res Commun. 299(1): 109-15.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68533255
NCBI GeneID	1117
NCBI Accession #	NP_003991.2
NCBI GenBank Nucleotide #	NM_004000.2
UniProt Accession #	Q15782; Q15749; Q15783; Q5VUV7; Q96F97; A6NNY3; B4DPR7
Molecular Weight	42,508 Da
NCBI Official Full Name	chitinase-3-like protein 2 isoform a
NCBI Official Synonym Full Names	chitinase 3 like 2
NCBI Official Symbol	CHI3L2
NCBI Official Synonym Symbols	CHIL2; YKL39; YKL-39
NCBI Protein Information	chitinase-3-like protein 2
UniProt Protein Name	Chitinase-3-like protein 2
UniProt Gene Name	CHI3L2
UniProt Entry Name	CH3L2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/chi3l2-antibody-immunohistochemistry-elisa/255529>