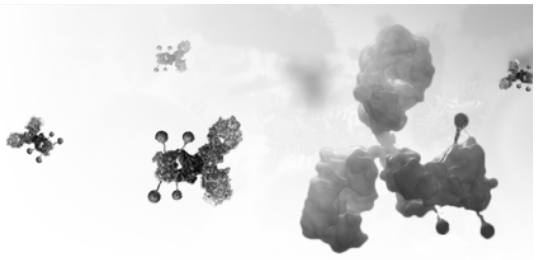

Anti-CHI3L1 polyclonal antibody (DPAB2016RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit polyoclonal to human YKL-40.
Antigen Description	YKL-40, a member of the mammalian chitinase like protein class, is a 40 kD heparin binding glycoprotein. It shares amino acid sequence homology to non-mammalian chitinases but demonstrates no chitinase activity. The name YKL-40 is derived from the protein's molecular weight and three N-terminus amino acids (tyrosine, lysine and leucine). The biological function of YKL-40 remains largely unknown and is a field of extensive scientific debate. YKL-40 has been shown to be a potent growth factor for connective tissue cells and a potent migration factor for endothelial cells. Several research studies have demonstrated substantial levels of YKL-40 in environments with inflammation or where substantial remodeling of the extracellular matrix (ECM) occurs, including various cancers, active rheumatoid arthritis, inflammatory bowel diseases, severe bacterial infections, and liver fibrosis.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	EIA, WB, IHC
Concentration	1 mg/ml
Buffer	50 mM Phosphate Buffered Saline
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39) [Homo sapiens]
Official Symbol	CHI3L1
Synonyms	CHI3L1; chitinase 3-like 1 (cartilage glycoprotein-39); GP39; ASRT7; YKL40; YYL-40; HC-gp39; HCGP-3P; FLJ38139; DKFZp686N19119; chitinase 3-like 1; CGP-39; YKL-40; OTTHUMP00000039087; hCGP-39; 39 kDa synovial protein; Cartilage glycoprotein 39; cartilage
Entrez Gene ID	1116
Protein Refseq	NP_001267
UniProt ID	A0A024R969
Chromosome Location	1q32.1
Pathway	Amino sugar and nucleotide sugar metabolism
Function	catalytic activity; cation binding; chitinase activity; extracellular matrix structural constituent; sugar binding

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