



Anti-CHI3L1 polyclonal antibody [Biotin] (DPABY-485)

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

PRODUCT INFORMATION

Antigen Description	CHI3L1, also known as HCgp39 (human cartilage glycoprotein 39) and YKL40, is a secreted glycoprotein belonging to the family of chitinase-like lectins. These proteins are structurally related to the glycosylhydrolase family 18, but lack enzymatic activity. CHI3L1 is expressed by chondrocytes, synovial cells, macrophages and neutrophils. It has been found to play a role in down-regulating cytokine-induced inflammatory responses.
Specificity	Detects human Chitinase3-like 1 in ELISAs and Western blots. In Western blots, approximately 50% cross-reactivity with recombinant mouse Chitinase 3-like 1 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Chitinase 3-like 1 . Tyr22-Thr383 Accession Number P36222
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39) [Homo sapiens (human)]
Official Symbol	CHI3L1
Synonyms	CHI3L1; chitinase 3-like 1 (cartilage glycoprotein-39); GP39; ASRT7; GP-39; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39; chitinase-3-like protein 1; 39 kDa synovial protein; cartilage glycoprotein 39;
Entrez Gene ID	1116
Protein Refseq	NP_001267
UniProt ID	A0A024R969
Chromosome Location	1q32.1
Function	chitin binding; NOT chitinase activity; extracellular matrix structural constituent;