CHI3L2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHI3L2, Polyclonal Antibody
Full Product Name	CHI3L2 Conjugated Antibody
Product Gene Name	anti-CHI3L2 antibody
Product Synonym Names	CHIL2; YKL39; YKL-39
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total CHI3L2 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	42,508 Da
OMIM	601526
3D Structure	ModBase 3D Structure for Q15782
Immunogen	Fusion protein of human CHI3L2
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-CHI3L2 antibody	Most Applications
Application Notes for anti-CHI3L2 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-CHI3L2 antibody	The protein encoded by this gene is similar to bacterial chitinases but lacks chitinase activity. The encoded protein is secreted and is involved in cartilage biogenesis. Several transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-CHI3L2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CHI3L2 purchase	MBS9454822 is an antibody targeting CHI3L2. Also known as CHI3L2 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHI3L2. It may not necessarily be applicable to this product.

NCBI GI #	15079251
NCBI GeneID	1117
NCBI Accession #	BC011460
UniProt Primary Accession #	Q15782
UniProt Secondary Accession #	Q15749; Q15783; Q5VUV7; Q96F97; A6NNY3; B4DPR7
UniProt Related Accession #	Q15782
NCBI Official Full Name	Homo sapiens chitinase 3-like 2, mRNA
NCBI Official Synonym Full Names	chitinase 3 like 2
NCBI Official Symbol	CHI3L2
NCBI Official Synonym Symbols	CHIL2; YKL39; YKL-39
UniProt Protein Name	Chitinase-3-like protein 2
UniProt Synonym Protein Names	Chondrocyte protein 39; YKL-39
Protein Family	Chitinase-3-like protein
UniProt Gene Name	CHI3L2
UniProt Entry Name	CH3L2_HUMAN
NCBI Protein Information	chitinase-3-like protein 2
UniProt Comments for CHI3L2	CHI3L2: Lectin that binds chitooligosaccharides and other glycans with high affinity, but not heparin. Has no chitinase activity. Belongs to the glycosyl hydrolase 18 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1p13.3 Cellular Component: extracellular space Molecular Function: chitin binding; chitinase activity Biological Process: chitin catabolic process
Research Articles on CHI3L2	**1.** cerebrospinal fluid CHI3L1 and CHI3L2 and serum CHI3L1 might help to define multiple sclerosis disease stage
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