IL18RAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL18RAP, Polyclonal Antibody
Full Product Name	IL18RAP Conjugated Antibody
Product Gene Name	anti-IL18RAP antibody
Product Synonym Names	ACPL; CD218b; IL18RB; CDw218b
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
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 IL18RAP protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	51,945 Da
OMIM	604509
3D Structure	ModBase 3D Structure for O95256
Immunogen	Fusion protein corresponding to a region derived from internal residues of human Interleukin 18 receptor accessory protein
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-IL18RAP antibody	Most Applications
Application Notes for anti-IL18RAP 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-IL18RAP antibody	Interleukin 18 receptor accessory protein, also known as IL18RAP and CDw218b (cluster of differentiationw218b), is a human gene. The protein encoded by this gene is an accessory subunit of the heterodimeric receptor for IL18. This protein enhances the IL18 binding activity of IL18R1 (IL1RRP), a ligand binding subunit of IL18 receptor. The coexpression of IL18R1 and this protein is required for the activation of NF-B and MAPK8 (JNK) in response to IL18.
Other Notes	Small volumes of anti-IL18RAP 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 IL18RAP purchase	MBS9446450 is an antibody targeting IL18RAP. Also known as IL18RAP Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL18RAP. It may not necessarily be applicable to this product.

NCBI GI #	115527605
NCBI GeneID	8807
NCBI Accession #	BC106765
UniProt Primary Accession #	O95256
UniProt Secondary Accession #	Q3KPE7; Q3KPE8; Q53TT4; Q53TU5; B2RPJ3
UniProt Related Accession #	O95256
NCBI Official Full Name	Homo sapiens interleukin 18 receptor accessory protein, mRNA
NCBI Official Synonym Full Names	interleukin 18 receptor accessory protein
NCBI Official Symbol	IL18RAP
NCBI Official Synonym Symbols	ACPL; CD218b; IL-1R7; IL18RB; CDw218b; IL-1R-7; IL-18RAcP; IL-1RAcPL; IL-18Rbeta; IL-18R-beta
UniProt Protein Name	Interleukin-18 receptor accessory protein
UniProt Synonym Protein Names	Accessory protein-like; AcPL; CD218 antigen-like family member B; CDw218b; IL-1R accessory protein-like; IL-1RAcPL; Interleukin-1 receptor 7; IL-1R-7; IL-1R7; Interleukin-18 receptor accessory protein-like; Interleukin-18 receptor beta; IL-18R-beta; IL-18Rbeta; CD_antigen: CD218b
Protein Family	Interleukin-18 receptor accessory protein
UniProt Gene Name	IL18RAP
UniProt Synonym Gene Names	IL1R7; IL-18 receptor accessory protein; IL-18RAcP; AcPL; IL-1RAcPL; IL-1R-7; IL-1R7; IL-18R-beta; IL-18Rbeta
UniProt Entry Name	I18RA_HUMAN
NCBI Protein Information	interleukin-18 receptor accessory protein
NCBI Summary for IL18RAP	The protein encoded by this gene is an accessory subunit of the heterodimeric receptor for interleukin 18 (IL18), a proinflammatory cytokine involved in inducing cell-mediated immunity. This protein enhances the IL18-binding activity of the IL18 receptor and plays a role in signaling by IL18. Mutations in this gene are associated with Crohn's disease and inflammatory bowel disease, and susceptibility to celiac disease and leprosy. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]
UniProt Comments for IL18RAP	IL18RAP: Required for the high affinity binding of interleukin 18 (IL-18) to its receptor complex. Together with IL18R1 mediates IL-18-dependent activation of NF-kappa-B and JNK. Belongs to the interleukin-1 receptor family. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 2q12 Cellular Component: integral to membrane Molecular Function: receptor activity Biological Process: cell surface receptor linked signal transduction; immune response; inflammatory response
Research Articles on IL18RAP	**1.** This meta-analysis provides robust estimates that IL18RAP rs917997 and chemokine (C-C motif) receptor 3 rs6441961 are potential risk factors for celiac disease in European populations.
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