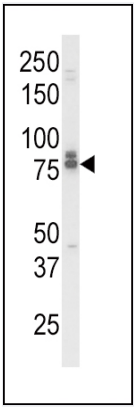
IL18RAP Antibody – Rabbit Polyclonal

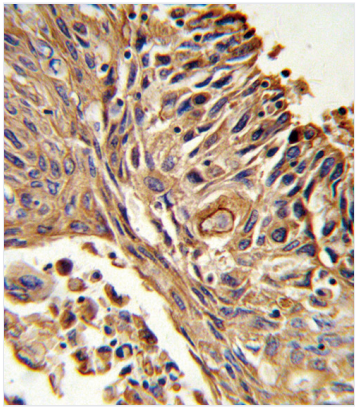
PRODUCT OVERVIEW

Product Name	IL18RAP, Polyclonal Antibody
Full Product Name	IL18RAP Antibody (N-term)
Product Gene Name	anti-IL18RAP antibody
Product Synonym Names	Interleukin-18 receptor accessory protein; IL-18 receptor accessory protein; IL-18RAcP; 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; CD218b; IL18RAP; IL1R7
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.49 (lot specific)
Specificity	This IL18RAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-101 amino acids from the N-terminal region of human IL18RAP.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	IL18RAP peptide (MBS9227856) is used for blocking the activity of IL18RAP antibody (MBS9209822)
Molecular Weight	68310
Immunogen Sequence Positions	73-101
OMIM	604509
3D Structure	ModBase 3D Structure for O95256
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-IL18RAP antibody	Cancer; Immunology; Signal Transduction
Applications Tested/Suitable for anti-IL18RAP antibody	Western Blot (WB), ELISA (EIA), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-IL18RAP antibody	WB~~1:1000
Related Product Information for anti-IL18RAP antibody	IL18RAP is required for the high affinity binding of interleukin 18 (IL-18) to its receptor complex (By similarity). Together with IL18R1 mediates IL-18-dependent activation of NF-kappa-B and JNK.
Product References and Citations for anti-IL18RAP antibody	Debets R., et.al., J. Immunol. 165:4950-4956(2000).

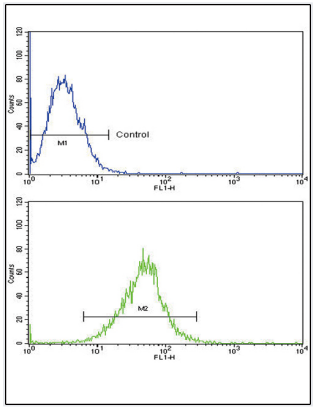
Other Notes	Small volumes of anti-IL18RAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL18RAP purchase	MBS9209822 is an antibody targeting IL18RAP. Also known as IL18RAP Antibody (N-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IL18RAP antibody
Western blot analysis of IL18RAP Antibody (N-term) in K562 cell line lysates (35ug/lane). IL18RAP (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-IL18RAP antibody
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with IL18RAP Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-IL18RAP antibody
IL18RAP Antibody (N-term) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

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

NCBI GI #	4504657
NCBI GeneID	8807
NCBI Accession #	NP_003844.1
UniProt Primary Accession #	O95256
UniProt Secondary Accession #	Q3KPE7; Q3KPE8; Q53TT4; Q53TU5; B2RPJ3
UniProt Related Accession #	O95256
GenBank Nucleotide #	NM_003853.3
NCBI Official Full Name	interleukin-18 receptor accessory protein

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.** results demonstrate clear functional consequences of the rs917997 risk polymorphism; this polymorphism leads to a loss-of-function through decreased IL-18RAP, IL-18R1, and IL-1R1 protein expression, which impairs autocrine IL-18 and IL-1 signaling
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