APOM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	APOM, Polyclonal Antibody
Full Product Name	APOM (Apolipoprotein M, Apo-M, ApoM, Protein G3a, G3A, NG20, HSPC336) (MaxLight 650)
Product Gene Name	anti-APOM antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human APOM.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	13,051 Da
OMIM	606907
3D Structure	ModBase 3D Structure for O95445
Immunogen	Full length human APOM, aa1-188 (NP_061974.2).
Immunogen Sequence	MFHQIWAALLYFYGIILNSIYQCPEHSQLTTLGVDGKEFPEVHLGQWYFIAGAAPTKEELATFDPVDNIVFNMAAGSAPMQLHLRATIRMKDGLCVPRKWIY
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-APOM antibody	Antibodies; Lipoproteins
Applications Tested/Suitable for anti-APOM antibody	Western Blot (WB)
Application Notes for anti-APOM antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-APOM antibody	APOM is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with lo membrane-bound, where it is involved in lipid transport.

Other Notes	Small volumes of anti-APOM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess ship with dry ice and additional dry ice fee may apply.
Searchable Terms for APOM purchase	MBS6370174 is an antibody targeting APOM. Also known as APOM (Apolipoprotein M, Apo-M, ApoM, Protein G3a, G3A, NG20, HSPC336) (MaxLight

ADDITIONAL DETAILS

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

NCBI GI #	22091452
NCBI GeneID	55937
NCBI Accession #	NP_061974.2
UniProt Primary Accession #	O95445
UniProt Secondary Accession #	Q5SRP4; Q9P046; Q9UMP6; B0UX98
UniProt Related Accession #	O95445
GenBank Nucleotide #	NM_019101.2
NCBI Official Full Name	apolipoprotein M isoform 1
NCBI Official Synonym Full Names	apolipoprotein M
NCBI Official Symbol	APOM
NCBI Official Synonym Symbols	G3a; NG20; apo-M; HSPC336
UniProt Protein Name	Apolipoprotein M
UniProt Synonym Protein Names	Protein G3a
Protein Family	Apolipoprotein
UniProt Gene Name	APOM
UniProt Synonym Gene Names	G3A; NG20; Apo-M; ApoM
UniProt Entry Name	APOM_HUMAN
NCBI Protein Information	apolipoprotein M; protein G3a; NG20-like protein; alternative name: G3a, NG20
NCBI Summary for APOM	The protein encoded by this gene is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. Alternate splicing results in both coding and non-coding variants of this gene. [provided by RefSeq, Jan 2012]
UniProt Comments for APOM	APOM: Probably involved in lipid transport. Can bind sphingosine-1-phosphate, myristic acid, palmitic acid and stearic acid, retinol, all-trans-retinoic acid and 9-cis-retinoic acid. Plasma protein. Expressed in liver and kidney. Belongs to the calycin superfamily. Lipocalin family. Highly divergent. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p21.33 Cellular Component: integral to plasma membrane Molecular Function: lipid transporter activity; antioxidant activity; phospholipid binding Biological Process: cholesterol homeostasis; reverse cholesterol transport; response to glucose stimulus; cholesterol efflux; lipoprotein metabolic process

Research Articles on APOM	**1.** Decreased activities of apolipoprotein m promoter are associated with the susceptibility to coronary artery diseases.
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