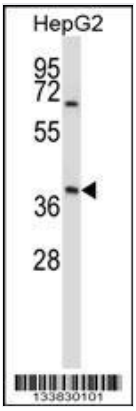
AMBP Antibody – Rabbit Polyclonal

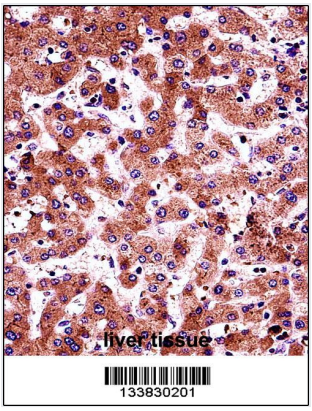
PRODUCT OVERVIEW

Product Name	AMBP, Polyclonal Antibody
Full Product Name	AMBP, NT (AMBP, HCP, ITIL, Protein AMBP, Alpha-1-microglobulin, Alpha-1 microglycoprotein, Complex-forming glycoprotein heterogeneous in charge, Inter-alpha-trypsin inhibitor light chain, Bikunin, EDC1, HI-30, Uronic-acid-rich protein, Trypstatin) (APC)
Product Gene Name	anti-AMBP antibody
Product Synonym Names	AMBP; HCP; ITIL; Protein AMBP; Alpha-1-microglobulin; Alpha-1 microglycoprotein; Complex-forming glycoprotein heterogeneous in charge; Inter-alpha-trypsin inhibitor light chain; Bikunin; EDC1; HI-30; Uronic-acid-rich protein; Trypstatin
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 Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	176870
3D Structure	ModBase 3D Structure for P02760
Immunogen	AMBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-104 amino acids from the N-terminal region of human AMBP.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-AMBP antibody	Antibodies; Carbohydrates; Glycoproteins
Applications Tested/Suitable for anti-AMBP antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-AMBP antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-AMBP antibody	MBS6273148 is an antibody targeting AMBP. Also known as AMBP, NT (AMBP, HCP, ITIL, Protein AMBP, Alpha-1-microglobulin, Alpha-1 microglycoprotein, Complex-forming glycoprotein heterogeneous in charge, Inter-alpha-trypsin inhibitor light chain, Bikunin, EDC1, HI-30, Uronic-acid-rich protein, Trypstatin) (APC). Reactive in Human. Host: Rabbit.

Product References and Citations for anti-AMBP antibody	Olsson, M.G., et al. Radiat. Res. 174(5):590-600(2010). Allhorn, M., et al. Blood 99(6):1894-1901(2002). Amoresano, A., et al. Eur. J. Biochem. 267(7):2105-2112(2000). Xu, Y., et al. J. Mol. Biol. 276(5):955-966(1998). Vetr, H., et al. Biol. Chem. Hoppe-Seyler 371(12):1185-1196(1990).
Other Notes	Small volumes of anti-AMBP 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.



Western Blot (WB) of anti-AMBP antibody
AMBP Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the AMBP antibody detected the AMBP protein (arrow).



Immunohistochemistry (IHC) of anti-AMBP antibody
AMBP Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of AMBP Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	4502067
NCBI GeneID	259
NCBI Accession #	NP_001624.1
UniProt Primary Accession #	P02760
UniProt Secondary Accession #	P00977; P02759; P78491; Q2TU33; Q5TBD7; Q9UC58; Q9UDI8
UniProt Related Accession #	P02760
GenBank Nucleotide #	NM_001633.3
NCBI Official Full Name	protein AMBP preproprotein
NCBI Official Synonym Full Names	alpha-1-microglobulin/bikunin precursor
NCBI Official Symbol	AMBP
NCBI Official Synonym Symbols	A1M; HCP; ITI; UTI; EDC1; HI30; ITIL; IATIL; ITILC
UniProt Protein Name	Protein AMBP
UniProt Synonym Protein Names	Alpha-1 microglycoprotein; Complex-forming glycoprotein heterogeneous in charge
Protein Family	Protein
UniProt Gene Name	AMBP
UniProt Synonym Gene Names	HCP; ITIL; Protein HC; ITI-LC
UniProt Entry Name	AMBP_HUMAN
NCBI Protein Information	protein AMBP; bikunin; complex-forming glycoprotein heterogeneous in charge; growth-inhibiting protein 19; inter-alpha-trypsin inhibitor light chain; protein HC; trypstatin; uristatin; uronic-acid-rich protein

NCBI Summary for AMBP	This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes. [provided by RefSeq, Jul 2008]
UniProt Comments for AMBP	AMBP: Inter-alpha-trypsin inhibitor inhibits trypsin, plasmin, and lysosomal granulocytic elastase. Inhibits calcium oxalate crystallization. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 9q32-q33 Cellular Component: extracellular space; cell surface; intracellular membrane-bound organelle; plasma membrane; extracellular region Molecular Function: serine-type endopeptidase inhibitor activity; protein binding; protein homodimerization activity; calcium oxalate binding; IgA binding; heme binding; calcium channel inhibitor activity Biological Process: negative regulation of JNK cascade; receptor-mediated endocytosis; viral reproduction; heme catabolic process; negative regulation of immune response; protein catabolic process; female pregnancy; cell adhesion; protein-chromophore linkage
Research Articles on AMBP	**1.** The antioxidative protection of cells and collagen by A1M is totally dependent on its C34 amino acid residue.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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