

Rabbit anti-Human Bikunin/AMBP Polyclonal Antibody | anti-AMBP antibody

Anti-Bikunin/AMBP Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255638	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

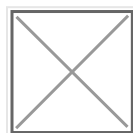
PRODUCT SYNONYMS

Bikunin/AMBP; Polyclonal Antibody; Anti-Bikunin/AMBP Antibody; Rabbit Polyclonal; AMBP/Alpha 1 microglobulin Antibody; Rabbit PAb; Antigen Affinity Purified; alpha-1-microglobulin/bikunin precursor; Anti-A1M Antibody; Anti-EDC1 Antibody; Anti-HCP Antibody; Anti-HI30 Antibody; Anti-IATIL Antibody; Anti-ITI Antibody; Anti-ITIL Antibody; Anti-ITILC Antibody; Anti-UTI Antibody; anti-AMBP antibody

PRODUCT SPECIFICATIONS

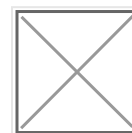
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human AMBP/Alpha 1 microglobulin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-AMBP antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human AMBP/Alpha 1 microglobulin protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human AMBP/Alpha 1 microglobulin (rh AMBP/Alpha 1 microglobulin). AMBP/Alpha 1 microglobulin specific IgG was purified by Human AMBP/Alpha 1 microglobulin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-A1pha-1-microglobulin rabbit polyclonal antibody at 1:500 dilution Lane A: A549 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 39 kDa Observed band size: 34 kDa



IP (Immunoprecipitation)

A1pha-1-microglobulin-His was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate 0.5 uL anti-A1pha-1-microglobulin-His rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-A1pha-1-microglobulin-His rabbit polyclonal antibody, at 1:500 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 34 kDa Observed band size: 34 kDa



IHC (Immunohistochemistry)
Immunochemical staining of human A1pha-1-microglobulin in human liver with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-AMBP antibody	The AMBP [A1M (alpha1-microglobulin)/bikunin precursor] gene encodes two plasma glycoproteins: A1M, an immunosuppressive lipocalin, and bikunin, a member of plasma serine proteinase inhibitor family with prototypical Kunitz-type domain. Although previously believed to be constitutively expressed exclusively in liver, the present study demonstrates the induction of this gene by oxalate in porcine proximal tubular LLC-PK1 cells and rat kidney. In liver, the precursor protein is cleaved in the Golgi network by a furin-like enzyme to release constituent proteins, which undergo glycosylation before their export from the cell. In the renal tubular cells, A1M and bikunin co-precipitate, indicating lack of cleavage of the precursor protein. As the expression of the AMBP gene is regulated by A1M-specific cis elements and transcription factors, A1M protein was studied as a representative of AMBP gene expression in renal cells. The alpha(1)-microglobulin/bikunin precursor (AMBP) gene, and its two protein products were studied in mouse embryos of 8.5-15.5 days of embryonic development by in situ hybridization and immunohistochemistry. AMBP mRNA is strongly transcribed in liver parenchyma, pancreas, and intestine epithelium. Sites of weaker expression are the vessels of the umbilical cord, the developing vertebral bodies, and kidney. The alpha(1)-microglobulin and bikunin proteins are accordingly present in developing hepatocytes, pancreas, kidney, and gut. However, additional sites of protein distribution were found that do not correlate to mRNA localization: alpha(1)-microglobulin was found in myocytes and bikunin in cardiac muscle, nervous system microvasculature, and connective tissue
Product Categories/Family for anti-AMBP antibody	Serine Proteases and Regulators

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502067
NCBI GeneID	259
NCBI Accession #	NP_001624.1
NCBI GenBank Nucleotide #	NM_001633.3
UniProt Accession #	P02760; P00977; P02759; P78491; Q2TU33; Q5TBD7; Q9UC58; Q9UDI8
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
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
UniProt Protein Name	Protein AMBP
UniProt Gene Name	AMBP
UniProt Synonym Gene Names	HCP; ITIL; Protein HC; ITI-LC
UniProt Entry Name	AMBP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

