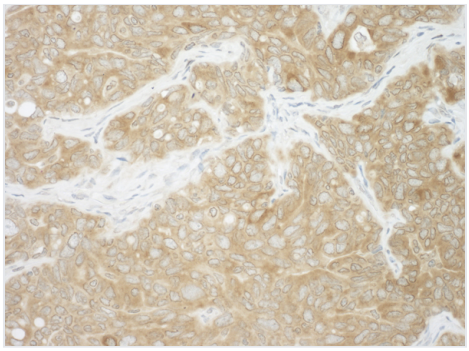
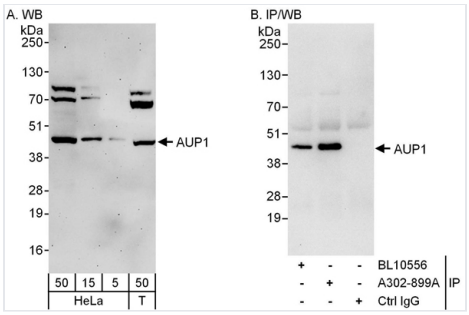
AUP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AUP1, Polyclonal Antibody
Full Product Name	Rabbit anti-AUP1 Antibody, Affinity Purified
Product Gene Name	anti-AUP1 antibody
Product Synonym Names	ancient ubiquitous protein 1; Ancient ubiquitous protein 1; AUP1, lipid droplet regulating VLDL assembly factor
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	41,587 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (74753775..74756974, complement). Location: 2p13
OMIM	602434
3D Structure	ModBase 3D Structure for Q9Y679
Immunogen	Between 360 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-AUP1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-AUP1 antibody	Western Blot (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC)
Application Notes for anti-AUP1 antibody	WB: 1:2000-1:10,000 IP: 3ug/mg lysate IHC: 1:500-1:2000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Related Product Information for anti-AUP1 antibody	Ancient ubiquitous protein 1 (AUP1) may play a role in the translocation of terminally misfolded proteins from the endoplasmic reticulum lumen to the cytoplasm and their degradation by the proteasome [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9Y679].
Other Notes	Small volumes of anti-AUP1 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 AUP1 purchase	MBS3903231 is an antibody targeting AUP1. Also known as Rabbit anti-AUP1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-AUP1 antibody
Detection of human AUP1 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-AUP1 (MBS3903231) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



Western Blot (WB) of anti-AUP1 antibody
Detection of human AUP1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-AUP1 antibody MBS3903231 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. AUP1 was also immunoprecipitated by rabbit anti-AUP1 antibody BL10556, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AUP1. It may not necessarily be applicable to this product.

NCBI GI #	31712030
NCBI GeneID	550
NCBI Accession #	NP_853553.1
UniProt Primary Accession #	Q9Y679
UniProt Related Accession #	Q68CX8; Q9Y679
GenBank Nucleotide #	NM_181575.3
NCBI Official Full Name	ancient ubiquitous protein 1
NCBI Official Synonym Full Names	ancient ubiquitous protein 1
NCBI Official Symbol	AUP1
UniProt Protein Name	Ancient ubiquitous protein 1
Protein Family	Ancient ubiquitous protein
UniProt Gene Name	AUP1
UniProt Entry Name	AUP1_HUMAN
NCBI Protein Information	ancient ubiquitous protein 1; OTTHUMP00000160424; OTTHUMP00000202724
NCBI Summary for AUP1	This gene encodes a protein that contains a domain with homology to the ancient conserved region of the archain 1 gene and a domain that may be involved in binding ubiquitin-conjugating enzymes. The protein encoded by this gene has been shown to bind to the conserved membrane-proximal sequence of the cytoplasmic tail of integrin alpha(IIb) subunits. These subunits play a crucial role in the integrin alpha(IIb)beta(3) inside-out signalling in platelets and megakaryocytes that leads to platelet aggregation and thrombus formation. This gene overlaps the gene for mitochondrial serine protease 25. [provided by RefSeq]
Research Articles on AUP1	**1.** The presence of the AUP1-Ube2g2 complex at LDs provides a direct molecular link between LDs and the cellular ubiquitination machinery.
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