



# Rabbit Anti-Human AUP1 Polyclonal Antibody (CABT-L2201)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Ancient Ubiquitous Protein 1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against AUP1. It has been selected for its ability to recognize AUP1 in immunohistochemical staining and western blotting.
<b>Target</b>	AUP1
<b>Immunogen</b>	Recombinant fragment corresponding to human AUP1 (Val201~Asp410)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Pig
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	The protein encoded this gene is involved in several pathways including quality control of misfolded proteins in the endoplasmic reticulum and lipid droplet accumulation. Lipid droplets are organelles in the cytoplasm that store neutral lipids such as cholesterol esters and triglycerides to prevent the overabundance of free cholesterol and fatty acids in cells, but also to act as storage for other metabolic processes, such as membrane biogenesis. Reduced expression of this gene results in reduced lipid droplet clustering, a function that is dependent on ubiquitination of the protein. This protein contains multiple domains including a hydrophobic N-terminal domain, an acetyltransferase domain, a ubiquitin-binding CUE domain, and a UBE2B2-binding domain (G2BR). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]
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<b>Keywords</b>	AUP1
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## GENE INFORMATION

<b>Gene Name</b>	AUP1 ancient ubiquitous protein 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	AUP1
<b>Synonyms</b>	AUP1; ancient ubiquitous protein 1;
<b>Entrez Gene ID</b>	<a href="#">550</a>
<b>Protein Refseq</b>	NP_853553
<b>UniProt ID</b>	<a href="#">Q9Y679</a>
<b>Chromosome Location</b>	2p13
<b>Function</b>	protein binding;