

DATASHEET

AUP1 Mouse Monoclonal Antibody(C2540)

CAT. NO. AMA02152

KEY FEATURES

Target	AUP1	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Plays a role in the translocation of terminally misfolded proteins from the endoplasmic reticulum lumen to the cytoplasm and their degradation by the proteasome . Plays a role in lipid droplet formation . Induces lipid droplet clustering . Recruits ubiquitin-conjugating enzyme UBE2G2 to lipid droplets which facilitates its interaction with ubiquitin ligases AMFR/gp78 and RNF139/TRC8, leading to sterol-induced ubiquitination of HMGCR and its subsequent proteasomal degradation . Also required for the degradation of INSIG1, SREBF1 and SREBF2 . Plays a role in regulating assembly and secretion of very low density lipoprotein particles and stability of apolipoprotein APOB .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

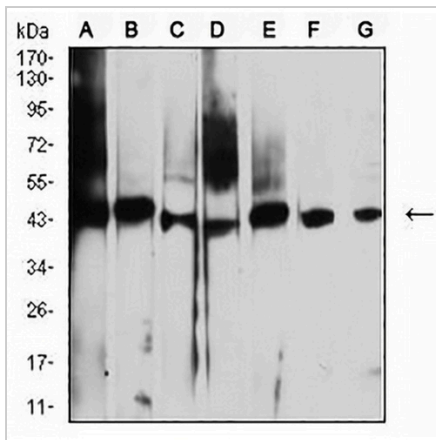
Description	Mouse monoclonal to AUP1
Specificity	Recognizes endogenous levels of AUP1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AUP1 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 53 kD; Observed: 48 kD kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Ancient ubiquitous protein 1
Gene Symbol	AUP1
Entrez Gene	550(Human); 680423(Rat)
SwissProt	Q9Y679(Human); P70295(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of AUP1 expression in A431 (A), NIH/3T3 (B), HeLa (C), SW480 (D), CHO3D10 (E), A549 (F), SPCA1 (G) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 48 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.