

AUP1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4577
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human AUP1 (AA: 229-410) expressed in E. Coli.
Mol wt	53kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB
Concentration	N/A
Full name	N/A
Synonyms	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

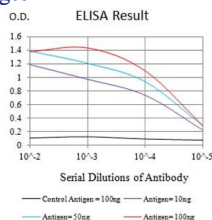
Recommended Dilution

WB: 1:500 - 1:2000

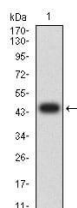
ELISA: 1:10000

Not yet tested in other applications.

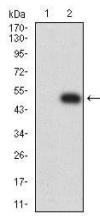
Images



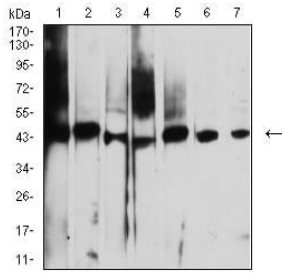
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using AUP1 mAb against human AUP1 (AA: 229-410) recombinant protein.
(Expected MW is 46.1 kDa)



Western blot analysis using AUP1 mAb against HEK293 (1) and AUP1 (AA: 229-410)-hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using AUP1 mouse mAb against A431 (1), NIH/3T3 (2), HeLa (3), SW480 (4), CHO3D10 (5), A549 (6), and SPC-A-1 (7) cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com