

Datasheet for ABIN5684097

anti-Ancient Ubiquitous Protein 1 antibody (AA 229-410)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	Ancient Ubiquitous Protein 1 (Aup1)
Binding Specificity:	AA 229-410
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ancient Ubiquitous Protein 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human AUP1 (AA: 229-410) expressed in E. coli.
Clone:	7G4A6
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	Ancient Ubiquitous Protein 1 (Aup1)
Alternative Name:	AUP1 (Aup1 Products)
Background:	The protein encoded this gene is involved in several pathways including quality control of

Target Details

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.

Molecular Weight:	53 kDa
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Gene ID:	550
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HGNC:	27180
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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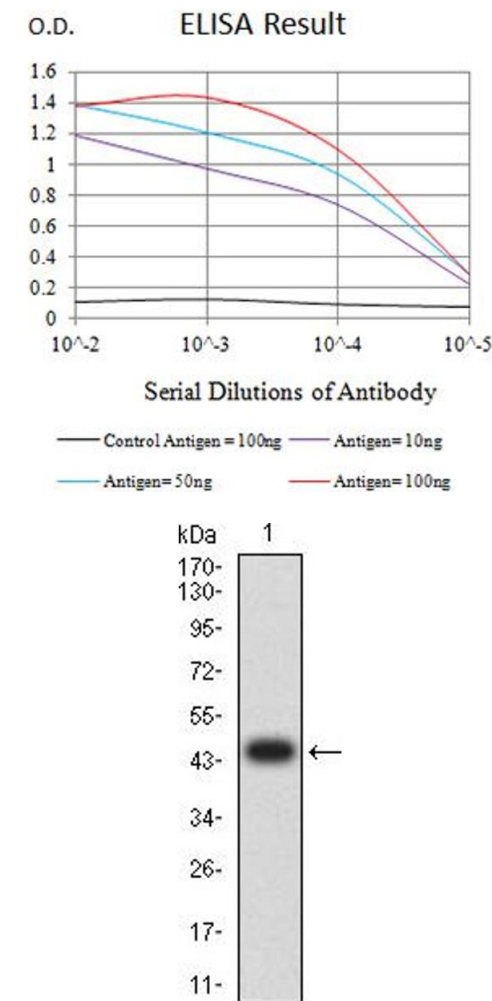
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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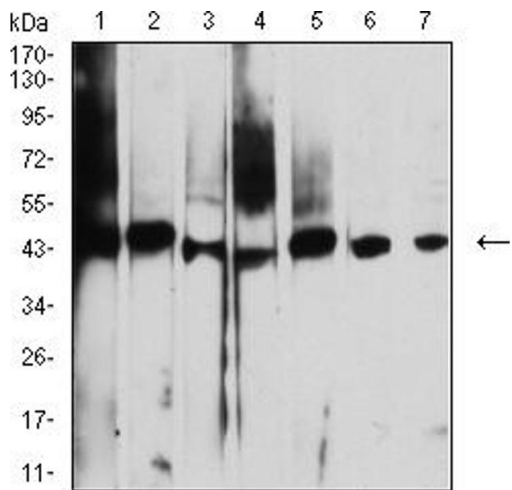
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 2. Western blot analysis using AUP1 mAb against human AUP1 (AA: 229-410) recombinant protein. (Expected MW is 46.1 kDa)

Western Blotting

Image 3. 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5684097.