

# Anti-UBA1 antibody

Catalog Number: 176534

## Product name

Anti-UBA1 antibody

## Specificity

Human, Mouse, Rat

## Antibody description

Rabbit monoclonal antibody to UBA1

## Preparation

This antigen of this antibody was synthetic peptide within c-terminal human uba1.

## Formulation

Liquid, 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol.  
Preservative: 0.05% Sodium Azide.

## Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## Clonality

Monoclonal

## Ig Type

Rabbit IgG

## Applications

WB, ICC/IF, IHC-P, FC

## Dilutions

WB: 1:500-1:2,000

ICC/IF: 1:50-1:200

IHC-P: 1:100-1:500

FC: 1:50-1:100

## Validations

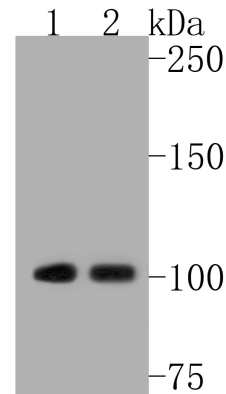


Fig1:: Western blot analysis of Ubiquitin-like modifier-activating enzyme 1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody ( 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.; Positive control.; Lane 1: mouse kidney tissue lysate; Lane 2: mouse liver tissue lysate

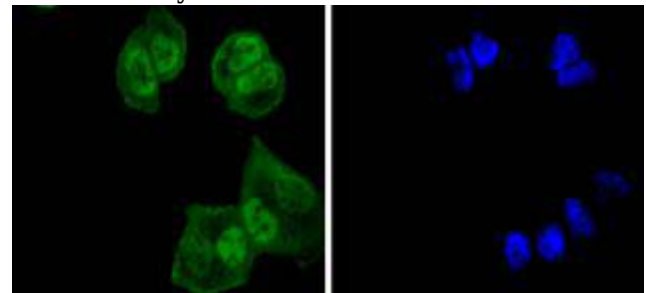


Fig2:: ICC staining of Ubiquitin-like modifier-activating enzyme 1 in HeLa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody ( 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

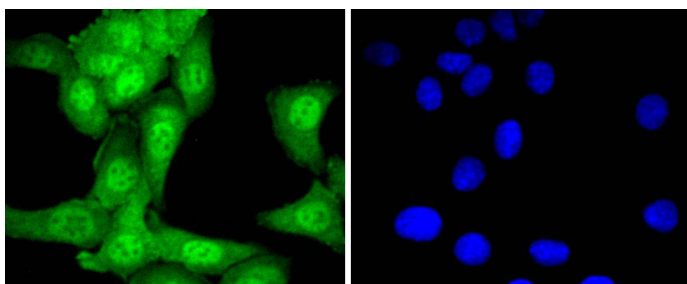


Fig3:; ICC staining of Ubiquitin-like modifier-activating enzyme 1 in SKOV-3 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody ( 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

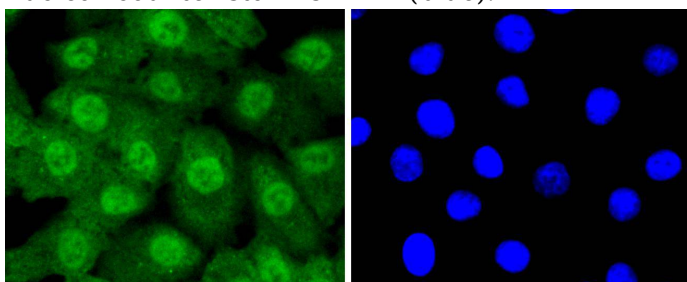


Fig4:; ICC staining of Ubiquitin-like modifier-activating enzyme 1 in A549 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody ( 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

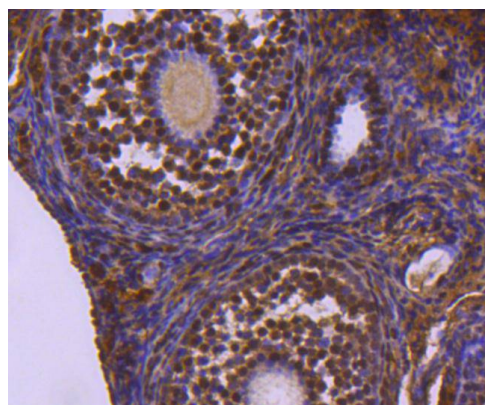


Fig5:; Immunohistochemical analysis of paraffin-embedded mouse ovary tissue using anti-Ubiquitin-like modifier-activating enzyme 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody ( 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

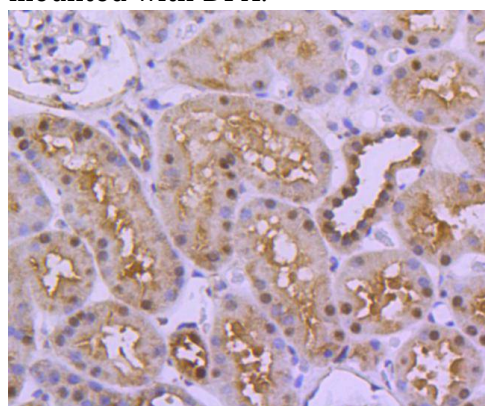


Fig6:; Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Ubiquitin-like modifier-activating enzyme 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody ( 1/50) for 30 minutes at room temperature. The detection

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was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and

mounted with DPX.

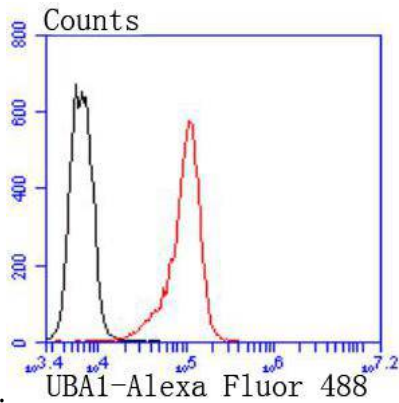


Fig7;; Flow cytometric analysis of Ubiquitin-like modifier-activating enzyme 1 was done on K562 cells. The cells were fixed, permeabilized and stained with the primary antibody ( 1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).