Datasheet for ABIN185083

anti-UBA2 antibody (N-Term)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	UBA2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This UBA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	SAE2 / UBA2
Immunogen:	ALSRGLPRELAEA-C
Sequence:	ALSRGLPREL AEA
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	UBA2
Alternative Name:	SAE2 (UBA2 Products)
Background:	UBA2, SAE2, SUMO-1 activating enzyme subunit 2
Gene ID:	10054, 50995
NCBI Accession:	NP_005490

Application Details

Application Notes:	Western Blot: This product has been successfully used in Western blot on Mouse: Kanemaru A, Saitoh H., Biosci Biotechnol Biochem. 2013,77(7):1575-8. PMID: 23832333. Peptide ELISA: antibody detection limit dilution 1:16000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the nuclei of U2OS and HeLa cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

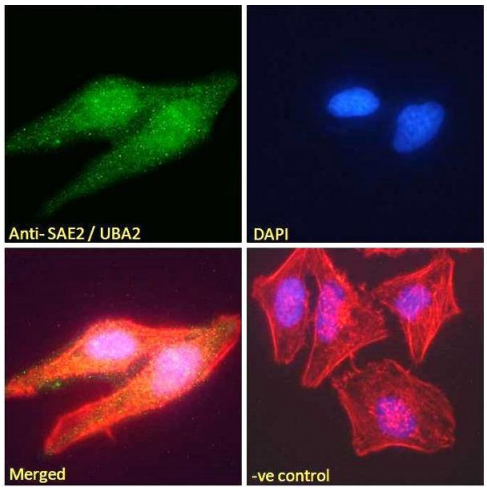
Publications

Product cited in:	Kanemaru, Saitoh: "High-yield expression of mouse Aos1-Uba2-fusion SUMO-activating enzyme, mAU, in a baculovirus-insect cell system." in: **Bioscience, biotechnology, and**

Publications

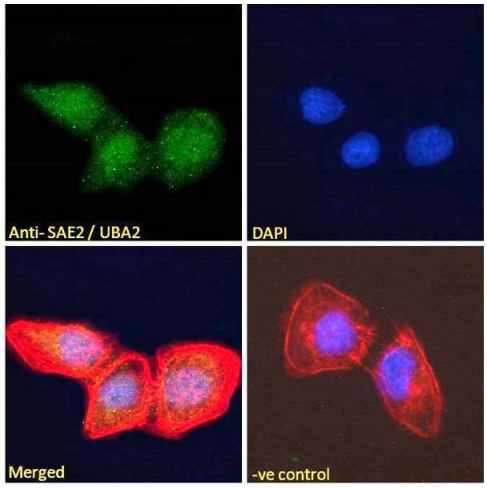
biochemistry, Vol. 77, Issue 7, pp. 1575-8, (2013) (PubMed).

Images



Immunofluorescence

Image 1. ABIN185083 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and weak cytoplasmic weak staining. Actin



Immunofluorescence

Image 2. ABIN185083 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).