



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06098 - Goat Anti-SAE2 / UBA2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** UBA2, SAE2, SUMO-1 activating enzyme subunit 2

**Official Symbol:** SAE2

**Accession Number(s):** NP\_005490

**Human GeneID(s):** [10054](#)

**Non-Human GeneID(s):** 50995 (mouse)

### Immunogen

Peptide with sequence ALSRGLPRELAEA-C, from the N Terminus of the protein sequence according to NP\_005490.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**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.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei of U2OS and HeLa cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Cow

### Specific Reference

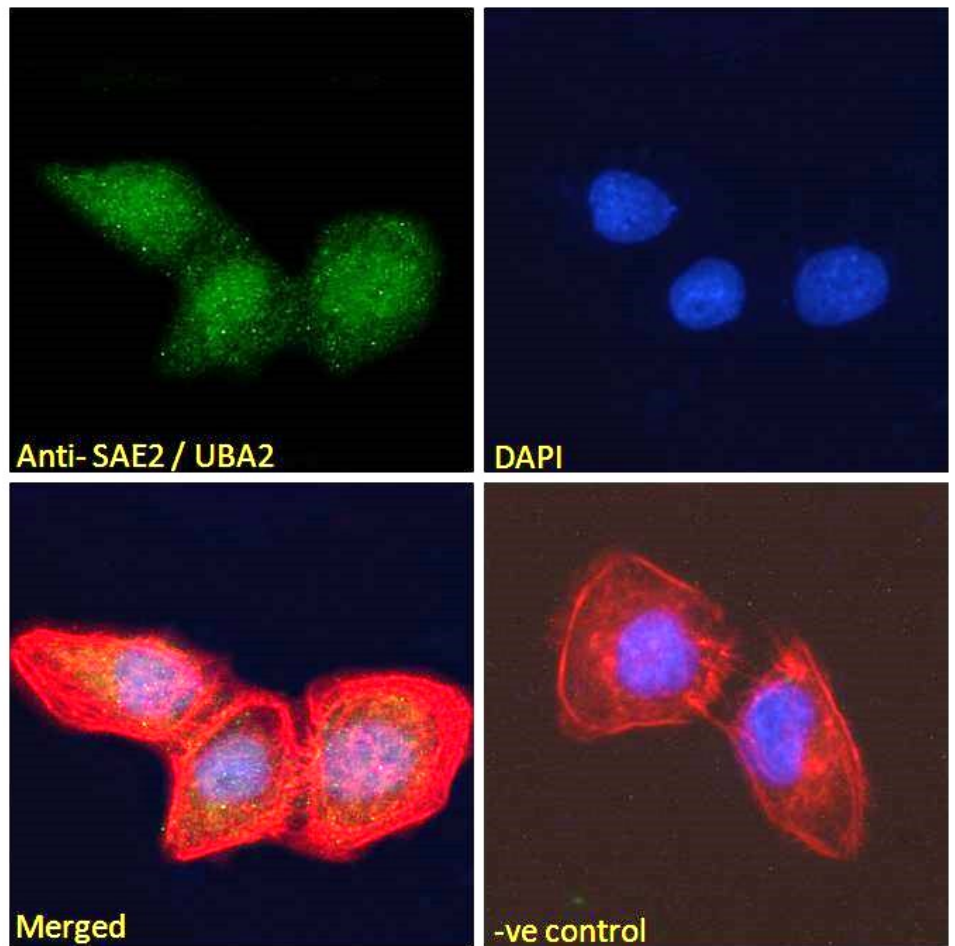
**This antibody has been successfully used in Western blot on Mouse:**

Kanemaru A, Saitoh H.

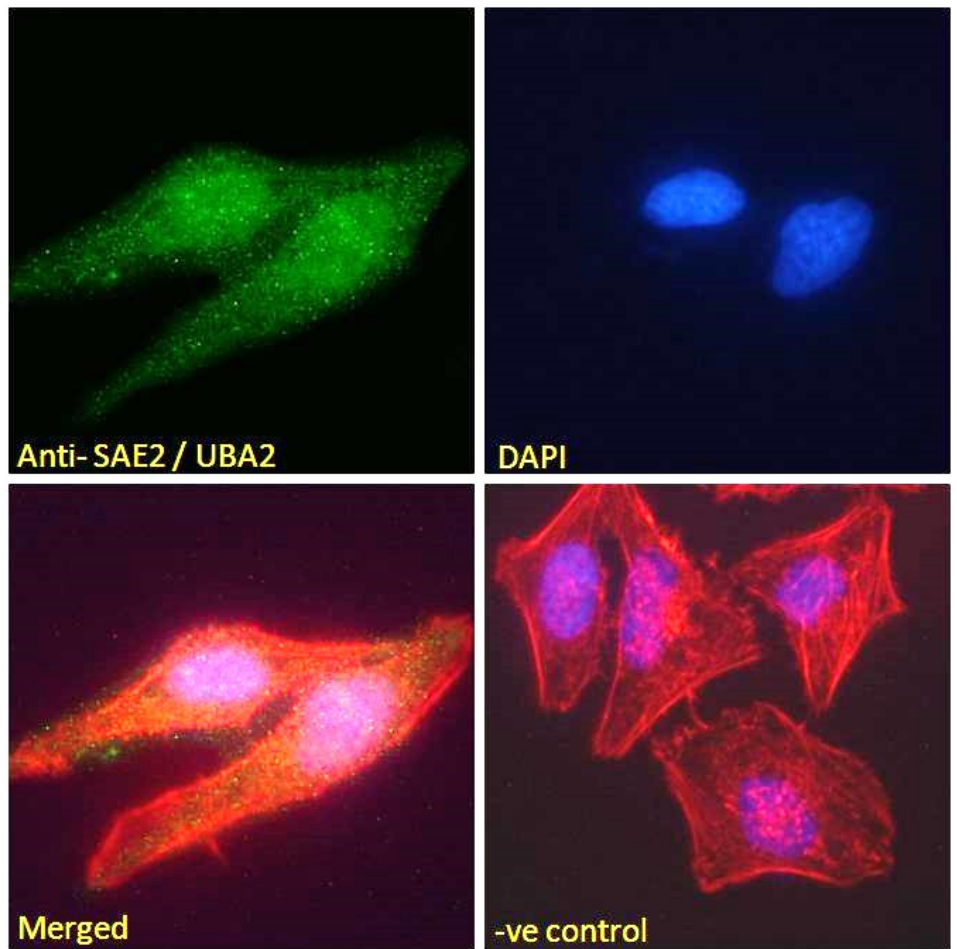
High-yield expression of mouse Aos1-Uba2-fusion SUMO-activating enzyme, mAU, in a baculovirus-insect cell system.

Biosci Biotechnol Biochem. 2013;77(7):1575-8.

PMID: 23832333



EB06098 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).



EB06098 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 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).