

## UK Office

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

## EB08737 - Goat Anti-ABCE1 / RNase L Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ABCE1, ATP-binding cassette, sub-family E (OABP), member 1, ABC38, OABP, RLI, RNASEL1, RNASELI, RNS4I, ATP-binding cassette, sub-family E, member 1, RNase L inhibitor, ribonuclease L (2\1,5\1-oligoisoadenylate synthetase-dependent) inhibitor

**Official Symbol:** ABCE1

**Accession Number(s):** NP\_002931.2; NP\_001035809.1

**Human GeneID(s):** [6059](#)

**Non-Human GeneID(s):** 24015 (mouse), 361390 (rat)

### Immunogen

Peptide with sequence NHDKCKPKKCRQEC, from the N Terminus of the protein sequence according to NP\_002931.2; NP\_001035809.1.

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 1:32000.

**Western blot:** Approx 70kDa band observed in Human Tonsil lysates and in preliminary testing of Human Ovary lysate (calculated MW of 67.3kDa according to Human NP\_002931.2). Recommended concentration: 1-2ug/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

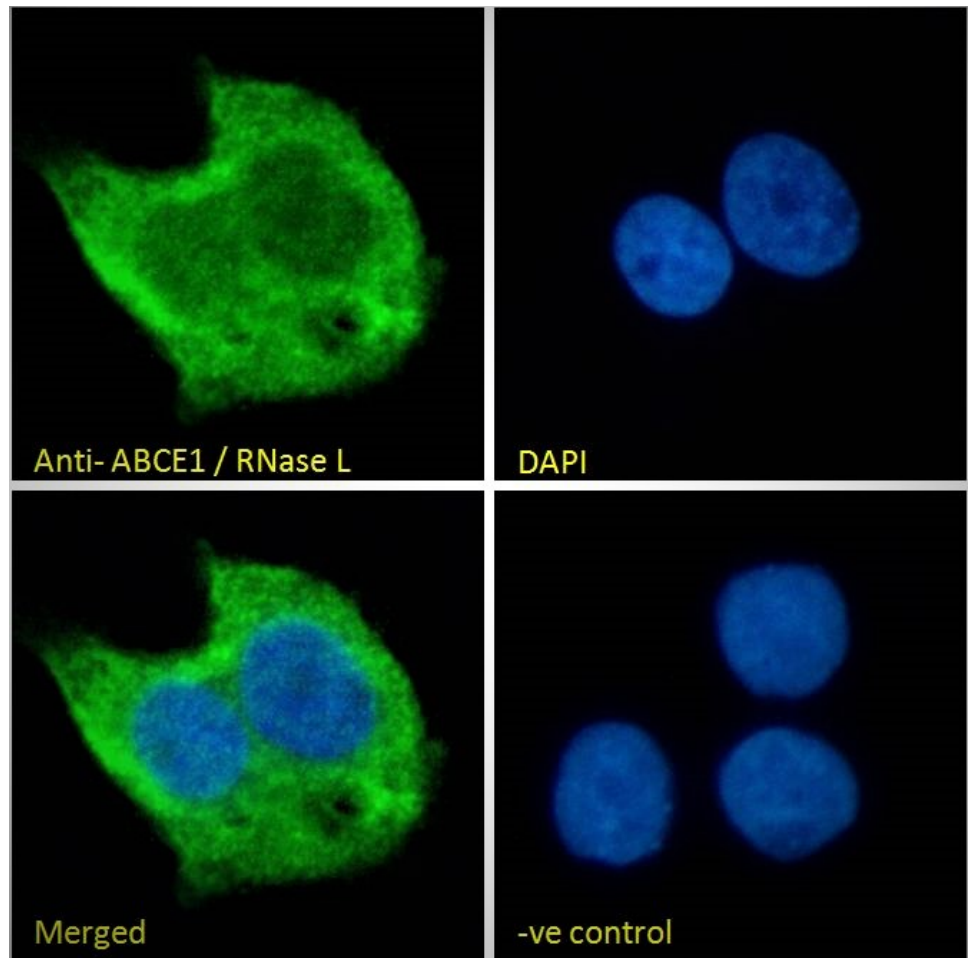
### Species Reactivity

**Tested:** Human

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

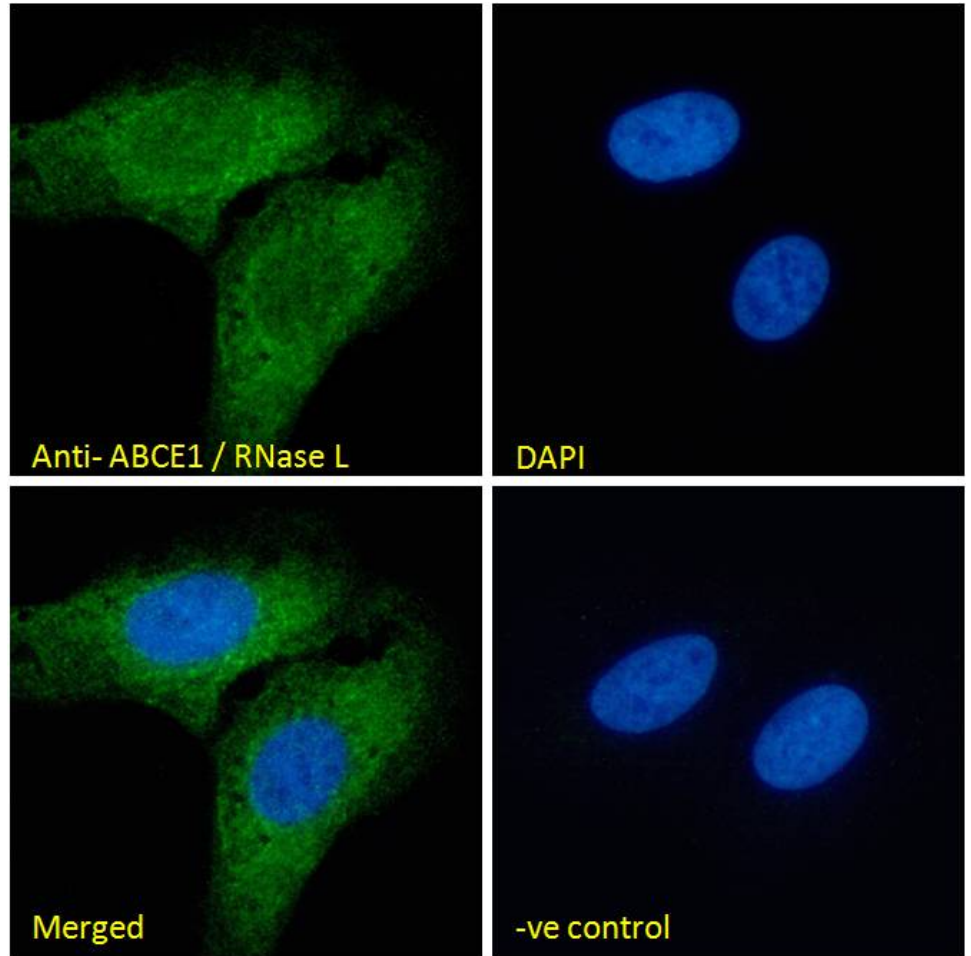


EB08737 (2 $\mu$ g/ml) staining of Human Tonsil lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.

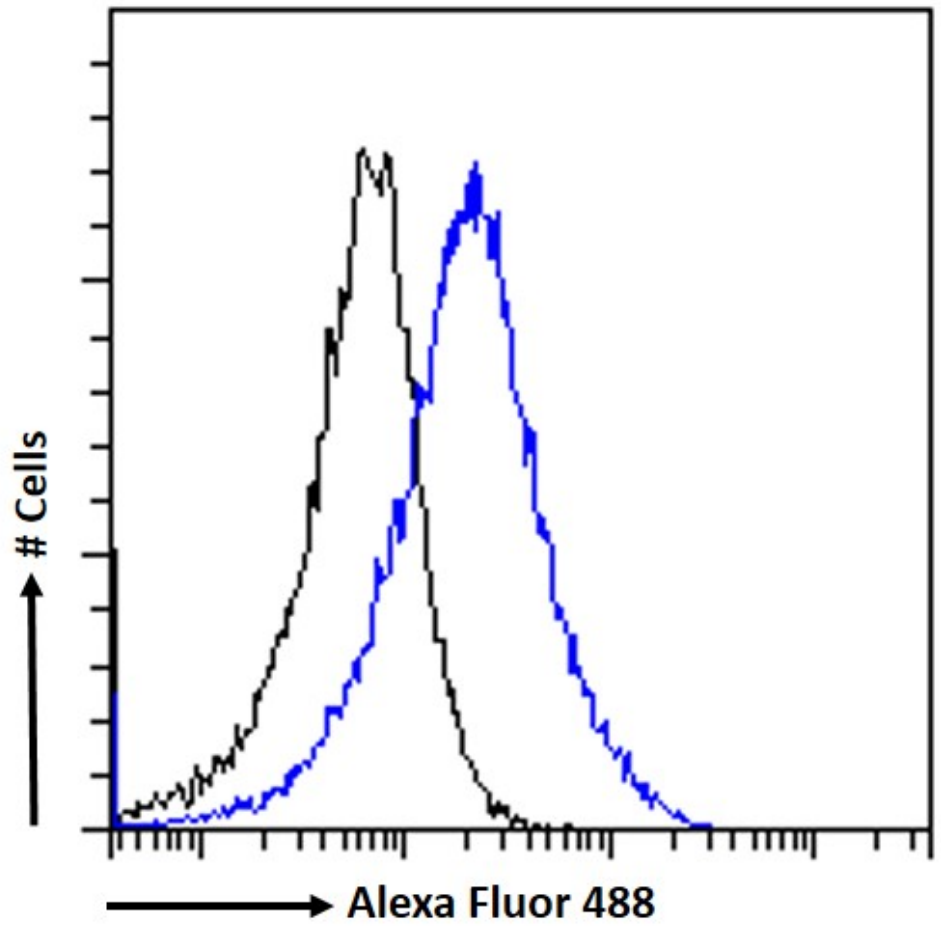


EB08737 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing cytoplasmic

staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08737 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08737 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.