

## UK Office

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

## EB08327 - Goat Anti-AADACL1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AADACL1, arylacetamide deacetylase-like 1

**Official Symbol:** AADACL1

**Accession Number(s):** NP\_065843.3; NP\_001139748.2; NP\_001139749.1

**Human GeneID(s):** [57552](#)

**Non-Human GeneID(s):** 320024 (mouse)

### Immunogen

Peptide with sequence C-RTRNSYIKWLDQN, from the C Terminus of the protein sequence according to NP\_065843.3; NP\_001139748.2; NP\_001139749.1.

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 1:1000.

**Western blot:** Preliminary experiments gave an approx 26-28kDa band in A431 cell lysates and in Human Hippocampus lysates after 1µg/ml antibody staining. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature. Please note that we currently cannot find an explanation in the literature for the band, given the calculated size of 31.2kDa according to NP\_001139749.1

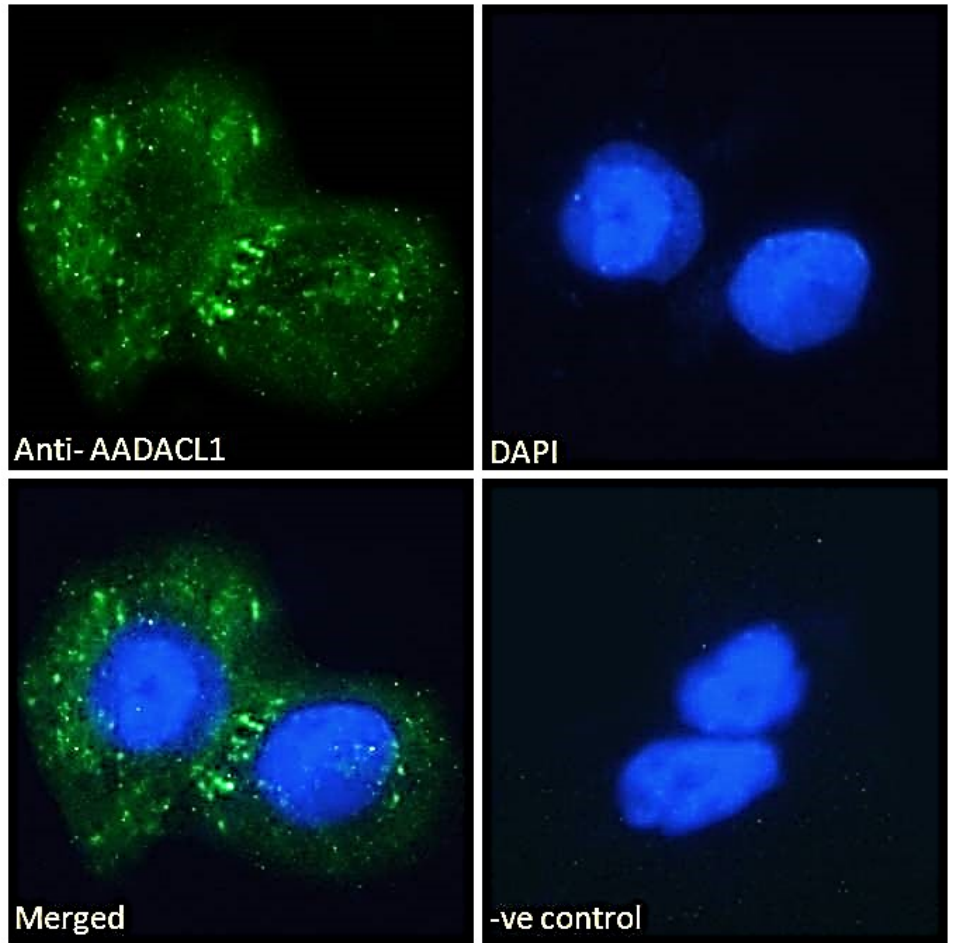
**Immunofluorescence:** Strong expression of the protein seen in the Endoplasmic reticulum of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

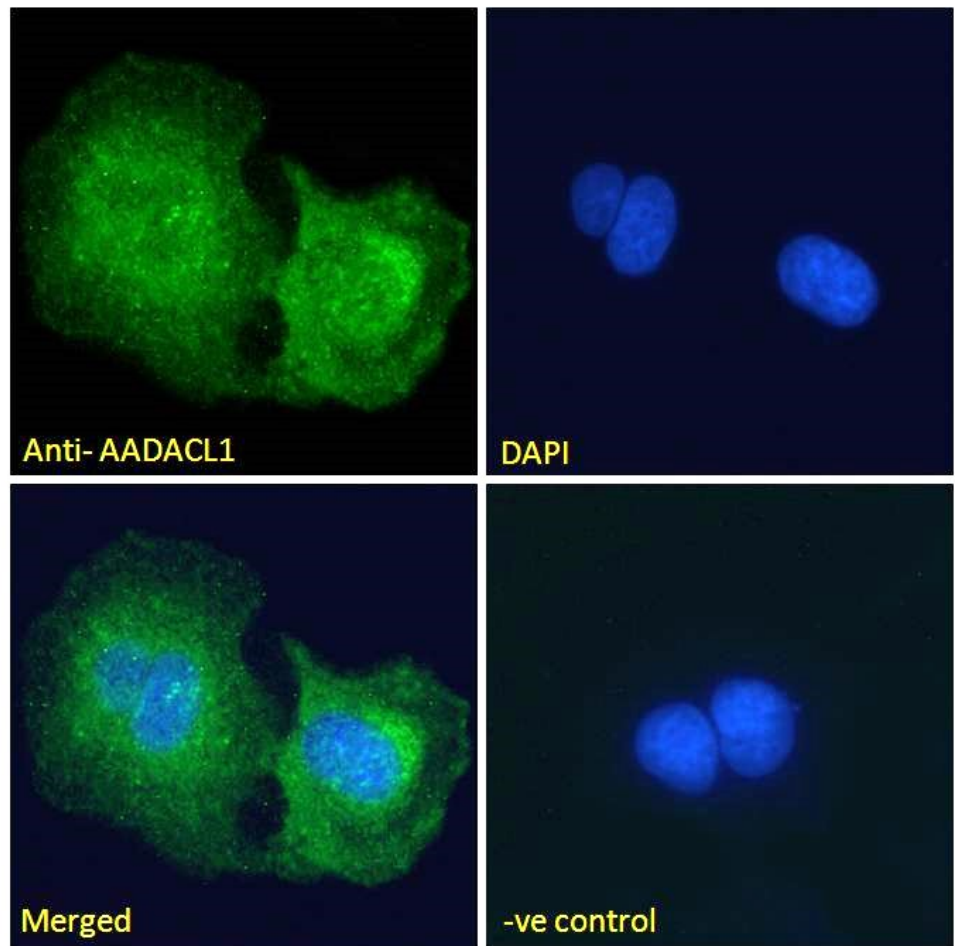
### Species Reactivity

**Tested:** Human

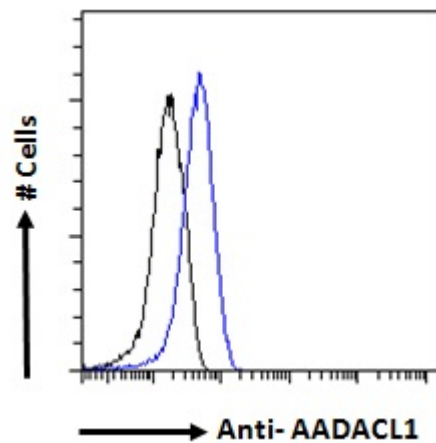
**Expected from sequence similarity:** Human, Mouse, Dog, Cow



EB08327 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08327 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 Endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08327 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation overnight (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.