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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

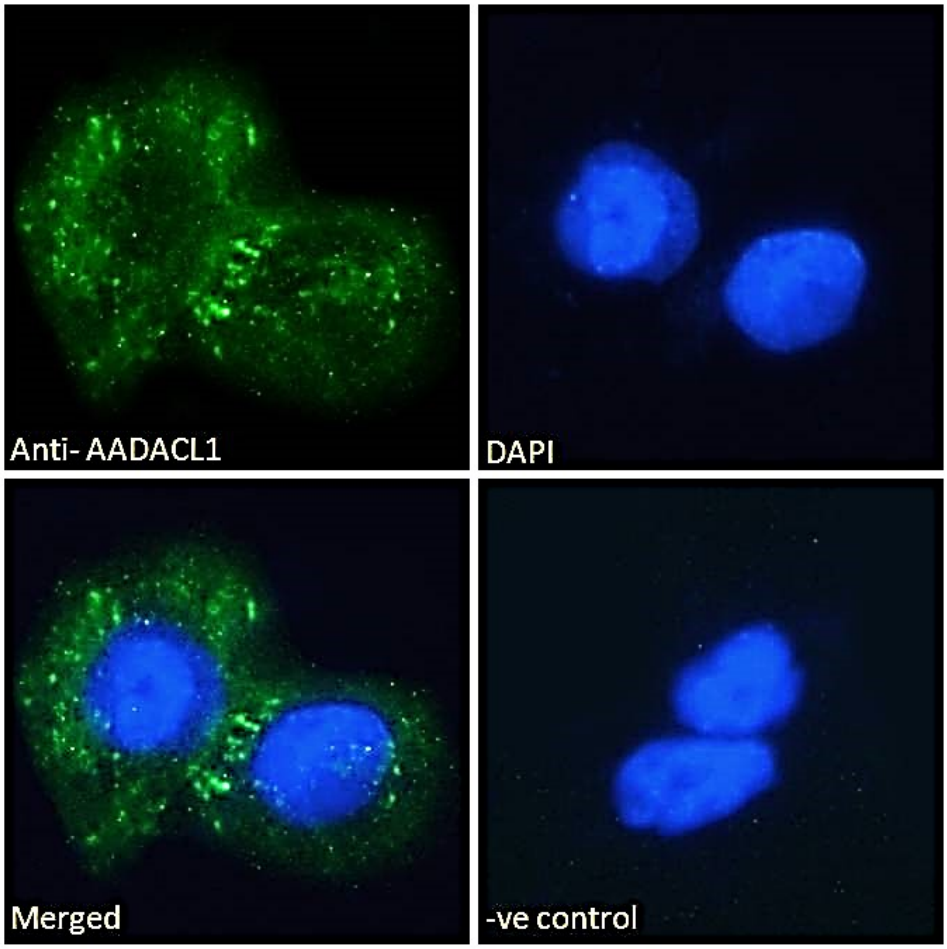
Peptide ELISA: antibody detection limit dilution 1:1000.
Western blot: Preliminary experiments gave an approx 26-28kDa band in A431 cell lysates and in Human Hippocampus lysates after 1µg/ml antibody staining. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 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.

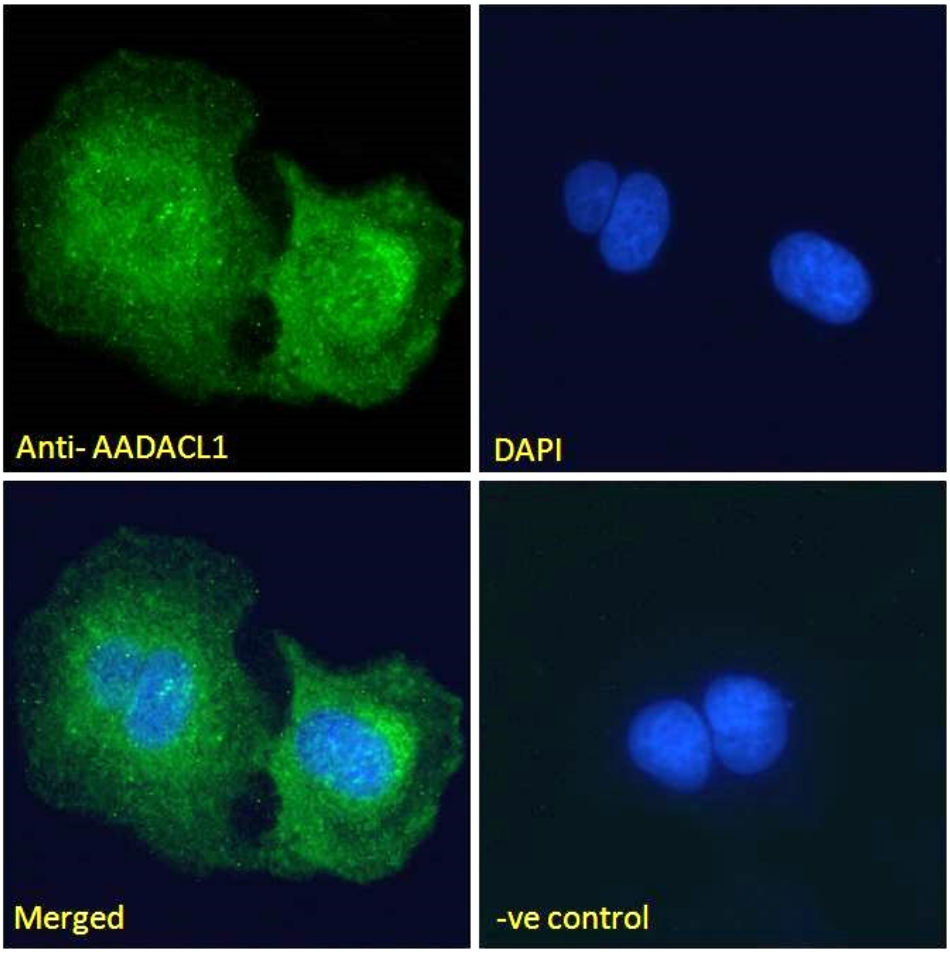
Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

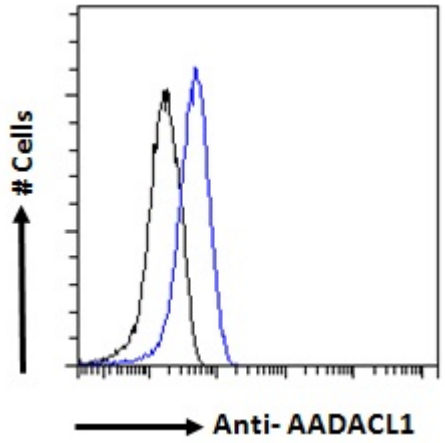
Tested: Human
Expected from sequence similarity: Human, Mouse, Dog, Cow



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.