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EB08076 - Goat Anti-CLEC16A Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: CLEC16A, C-type lectin domain family 16, member A, Gop-1, KIAA0350, MGC111457
Official Symbol: CLEC16A
Accession Number(s): NP_056041.1; NP_001230332.1
Human GeneID(s): 23274
Non-Human GeneID(s): 74374 (mouse)

Immunogen

Peptide with sequence C-SLENQDKGGERP, from the internal region of the protein sequence according to NP_056041.1; NP_001230332.1.

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

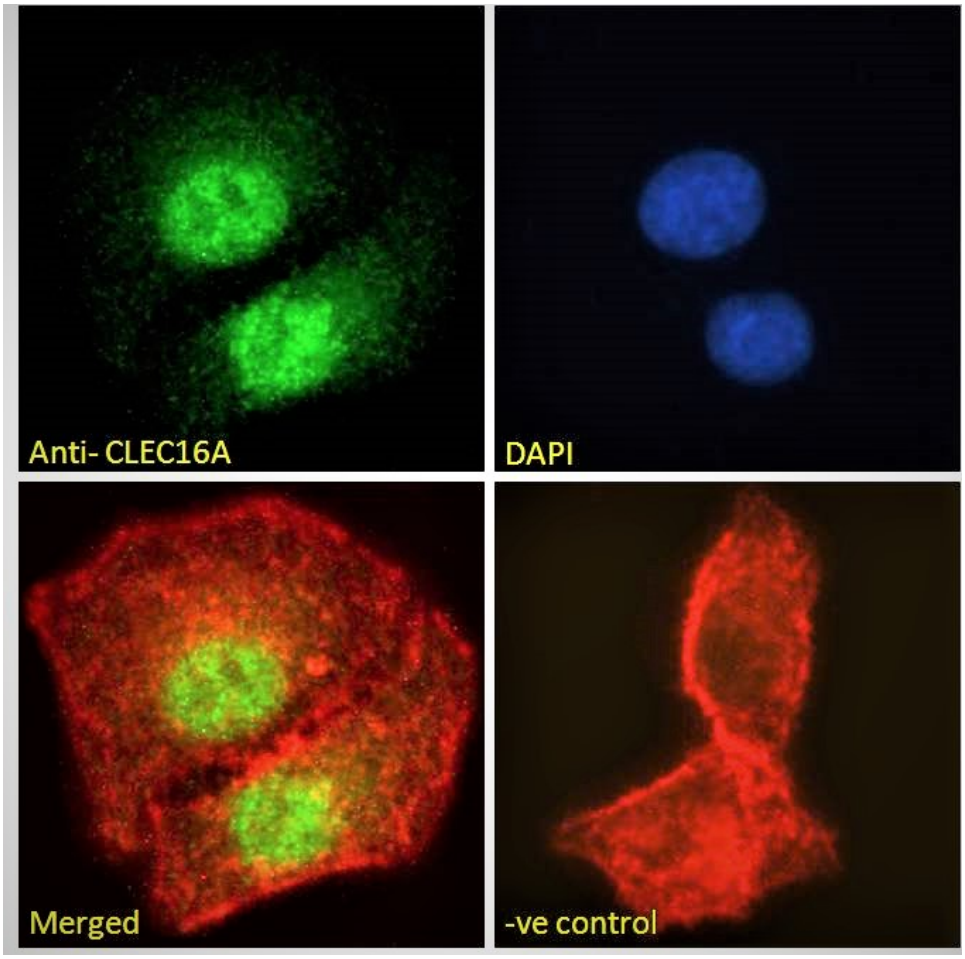
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Preliminary experiments gave an approx 70kDa band in Rat Testis lysates after 0.5µg/ml antibody staining. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature. Please note that we currently cannot find an explanation in the literature for this band, given the calculated size of 115kDa according to Rat XP_213209.4.

Immunofluorescence: Strong expression of the protein seen in the nuclei and weak expression seen in the cytoplasm of A549 cells. Recommended concentration: 10µg/ml.

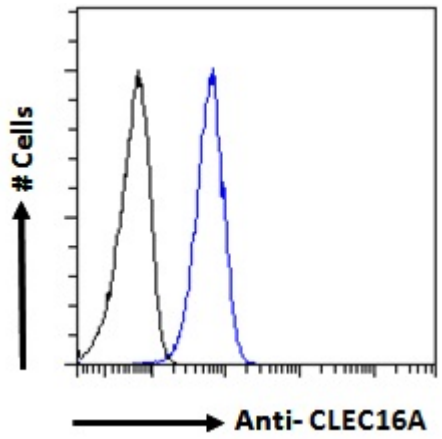
Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat



EB08076 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and weak cytoplasmic 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).



EB08076 Flow cytometric analysis of paraformaldehyde fixed A549 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.