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EB10223 - Goat Anti-ARHGDIB Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: D4, GDIA2, GDID4, LYGDI, Ly-GDI, RAP1GN1, Rho GDI 2, Rho GDP dissociation inhibitor (GDI) beta, Rho GDP-dissociation inhibitor 2, RhoGDI2, ARHGDIB
Official Symbol: ARHGDIB
Accession Number(s): NP_001166.3
Human GeneID(s): 397

Immunogen

Peptide with sequence TEKAPEPHVE-C, from the N Terminus of the protein sequence according to NP_001166.3.

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

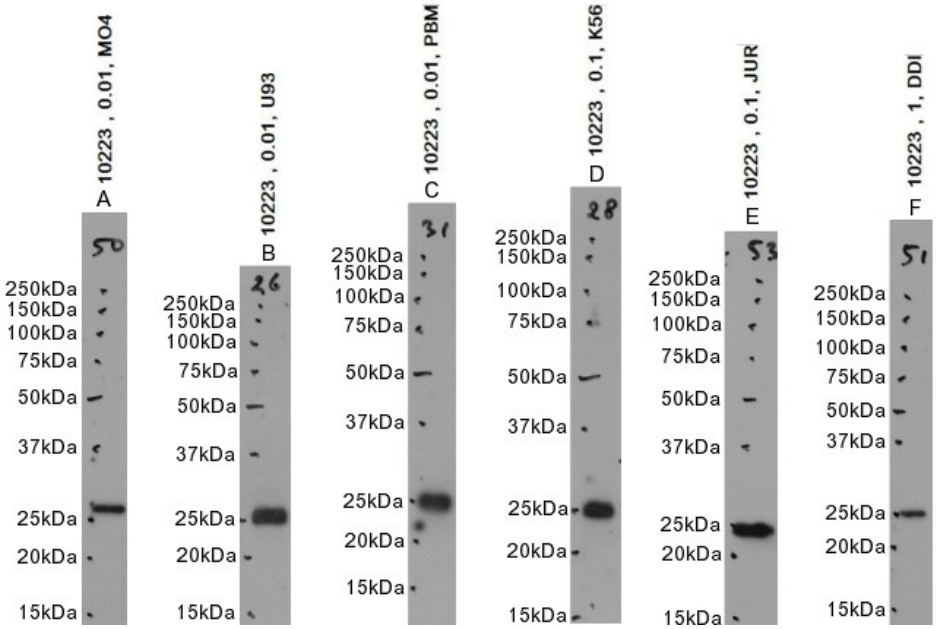
Peptide ELISA: antibody detection limit dilution 1:4000.
Western blot: Approx. 25kDa band observed in lysates of cell lines Daudi, Jurkat, K562, U937, peripheral blood Monocytes (PBM) and in Human Thymus and Cerebellum lysates, and approx. 26kDa in lysates of cell line MOLT4 (calculated MW of 23.0kDa according to NP_001166.3). Recommended concentration: 0.01-3µg/ml. Primary incubation 1 hour at room temperature.

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

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

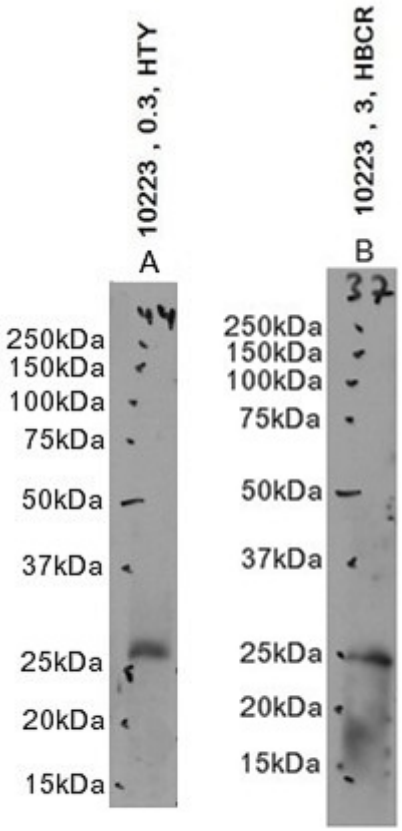
Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Cow



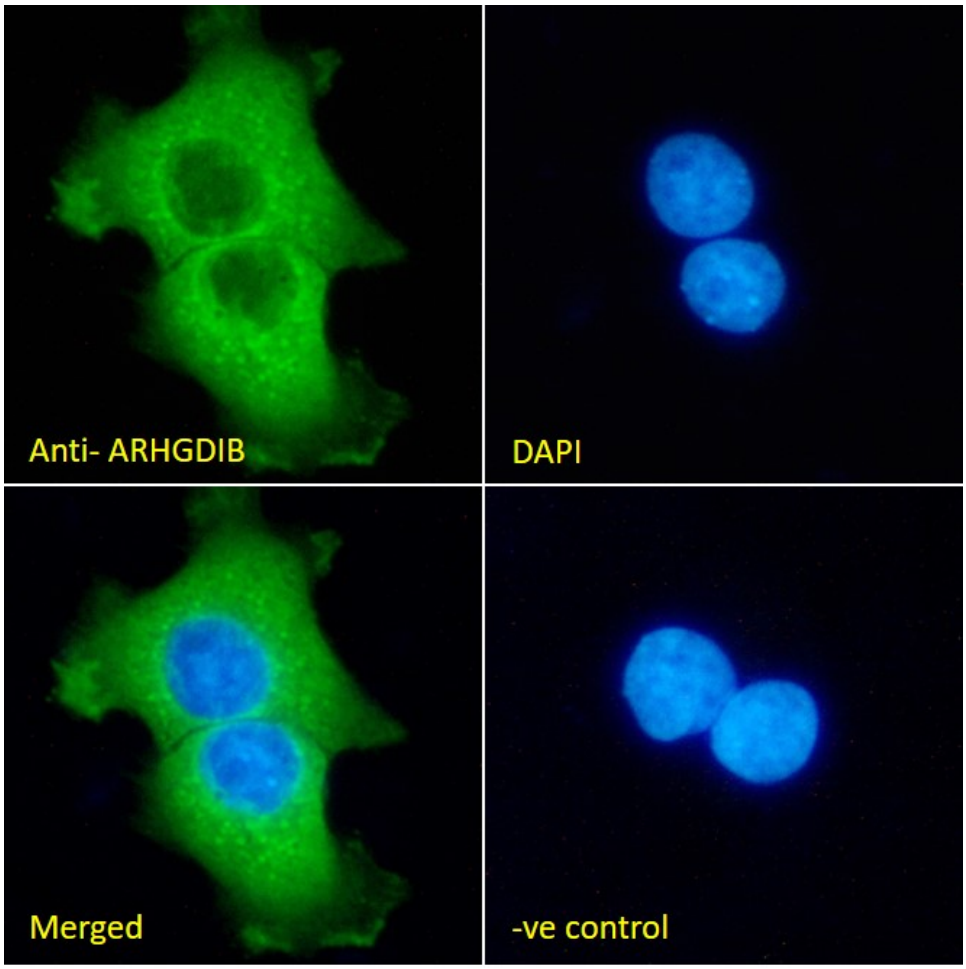
EB10223 optimised QC. Primary incubation 1 hour at room temperature.

Images A, B, C: MOLT4, U937, PBM cell lysates at primary Ab concentration 0.01ug/ml. Images D, E: K562, Jurkat cell lysate at primary Ab concentration 0.1ug/ml. Image F: Daudi cell lysate at primary Ab concentration 1ug/ml (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

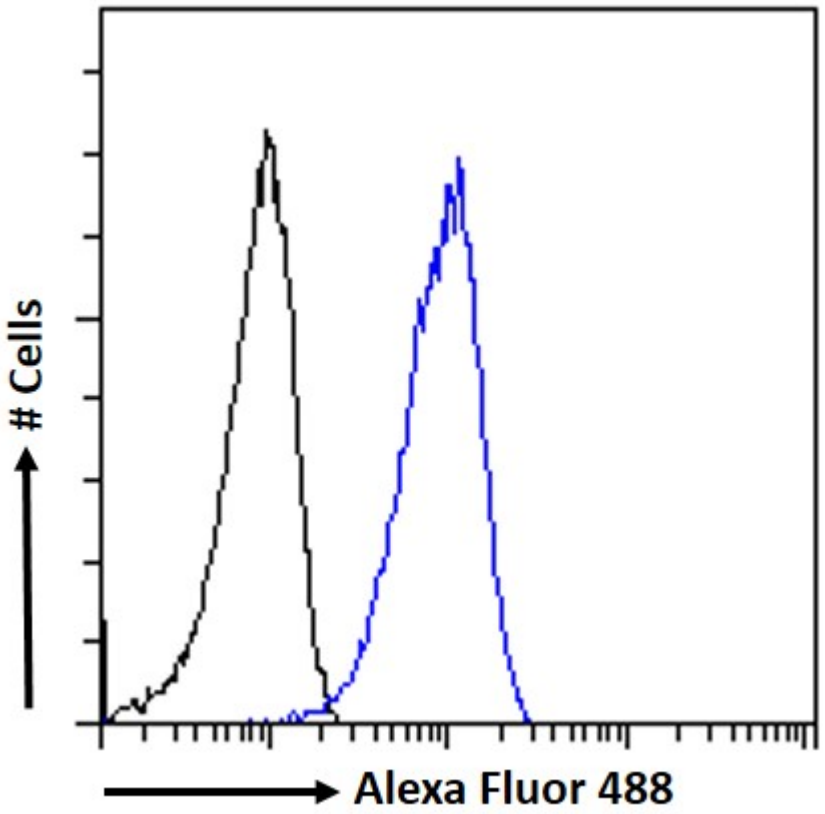


EB10223 optimised QC. Primary incubation 1 hour at room temperature.

Image A: Human Thymus lysate at primary Ab concentration 0.3ug/ml. Image B: Human Cerebellum lysate at primary Ab concentration 3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB10223 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10223 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.