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EB12057 - Goat Anti-LAT2 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: LAT2, linker for activation of T cells family, member 2, LAB, NTAL, WBSCR15, WBSCR5, WSCR5, Williams-Beuren syndrome chromosomal region 15 protein, Williams-Beuren syndrome chromosomal region 5 protein, linker for activation of B-cells, linker for activation of T cells, transmembrane adaptor 2, linker for activation of T-cells family member 2, membrane-associated adapter molecule, non-T-cell activation linker
Official Symbol: LAT2
Accession Number(s): NP_054865.2
Human GeneID(s): 7462
Important Comments: Reported variants represent identical protein: NP_115853.2, NP_115852.1, NP_054865.2

Immunogen

Peptide with sequence C-RSEKIYQQRSLRED, from the internal region of the protein sequence according to NP_054865.2.

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

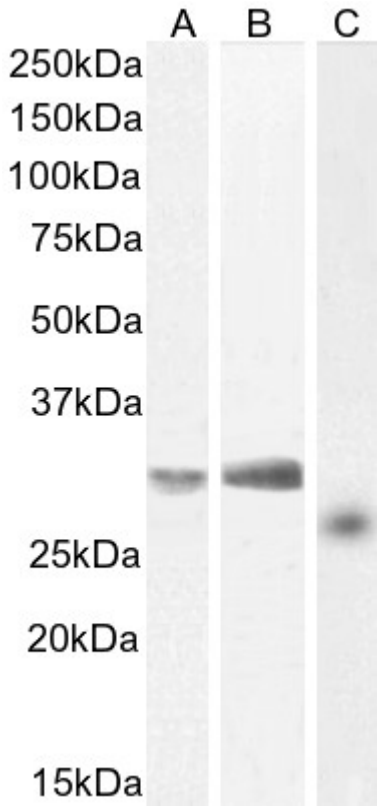
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx. 26kDa band observed in Human Peripheral Blood Monocytes lysates and Human Spleen, and approx. 30kDa in lysates of cell lines Daudi and U937 (calculated MW of 26.6kDa according to NP_054865.2). Recommended concentration: 0.1-2µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in U937 cells. Recommended concentration: 10µg/ml.

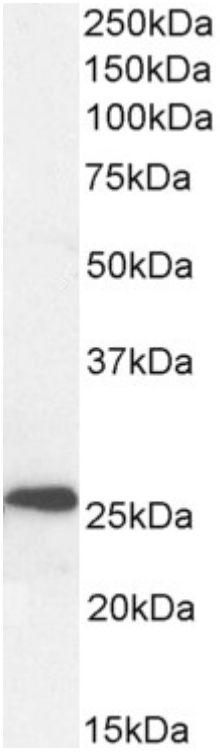
Flow Cytometry: Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

Species Reactivity

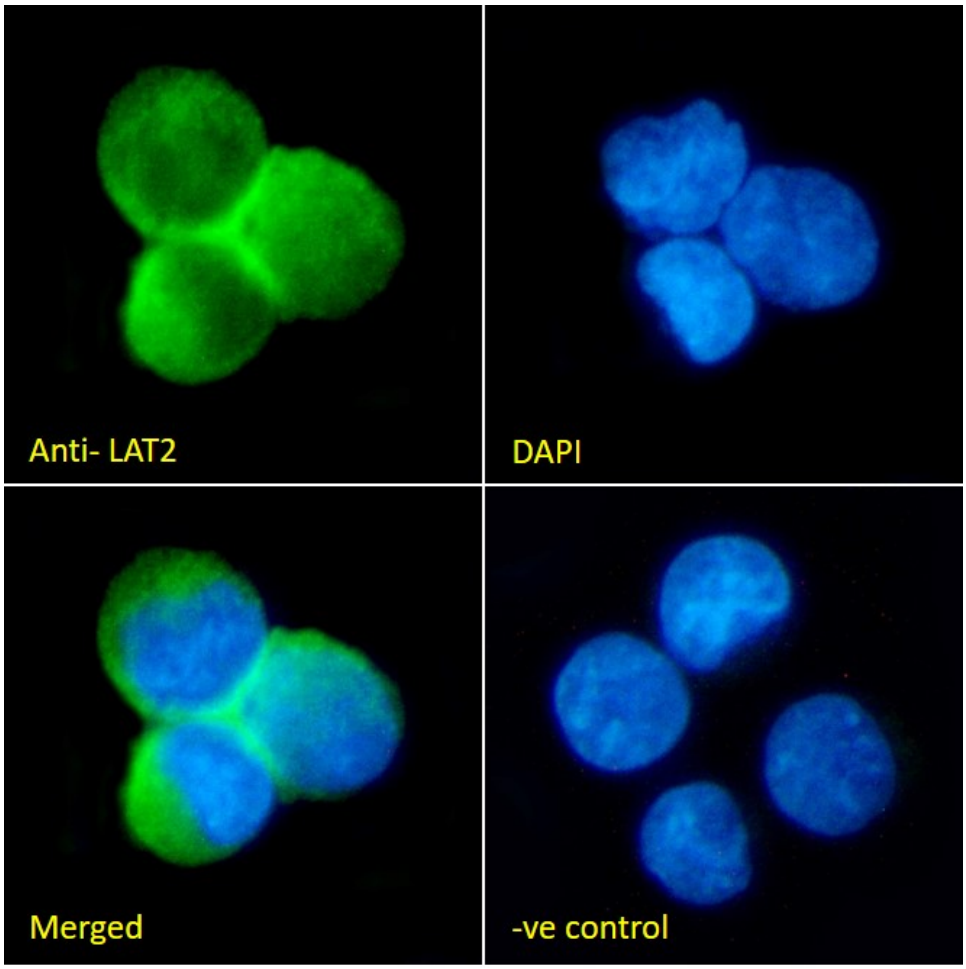
Tested: Human
Expected from sequence similarity: Human



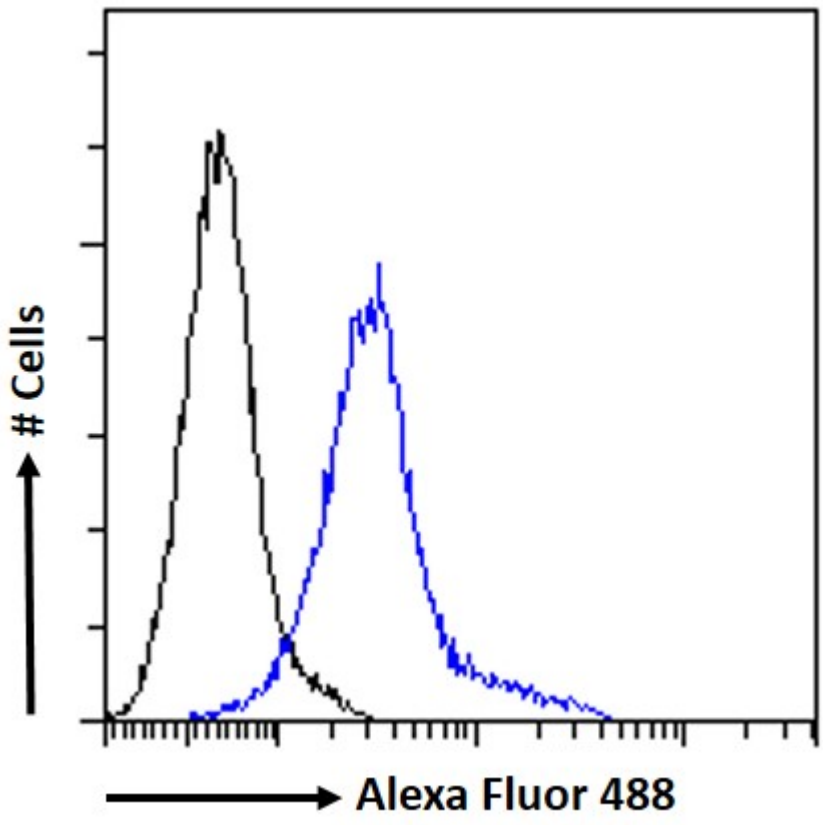
EB12057 (0.1µg/ml) staining of Daudi (A), U937 (B) and (2ug/ml) PBM (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12057 (0.3µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12057 Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong membrane and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12057 Flow cytometric analysis of paraformaldehyde fixed U937 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.