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EB07196-T - Goat Anti-LEF1 Antibody - Trial

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: LEF1, lymphoid enhancer-binding factor 1, HGNC:6551, DKFZp586H0919, TCF1ALPHA, lymphoid enhancer binding factor-1
Official Symbol: LEF1
Accession Number(s): NP_057353.1; NP_001124185.1; NP_001124186.1; NP_001159591.1
Human GeneID(s): 51176
Non-Human GeneID(s): 16842 (mouse), 161452 (rat)

Immunogen

Peptide with sequence C-QHEQRKEQEPKRPH, from the internal region of the protein sequence according to NP_057353.1; NP_001124185.1; NP_001124186.1; NP_001159591.1.

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

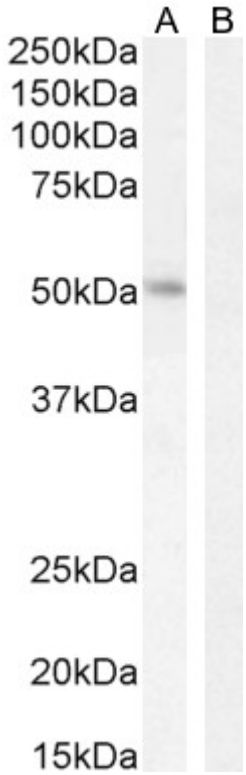
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 50--55kDa band observed in nuclear lysates of cell line K562 (calculated MW of 44.2kDa according to NP_057353.1)/ This molecular weight is routinely observed by other sources and was successfully blocked by incubation with the immunising peptide . Recommended concentration: 1-3µg/ml. . Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei of Jurkat and U2OS cells. Recommended concentration: 10µg/ml.

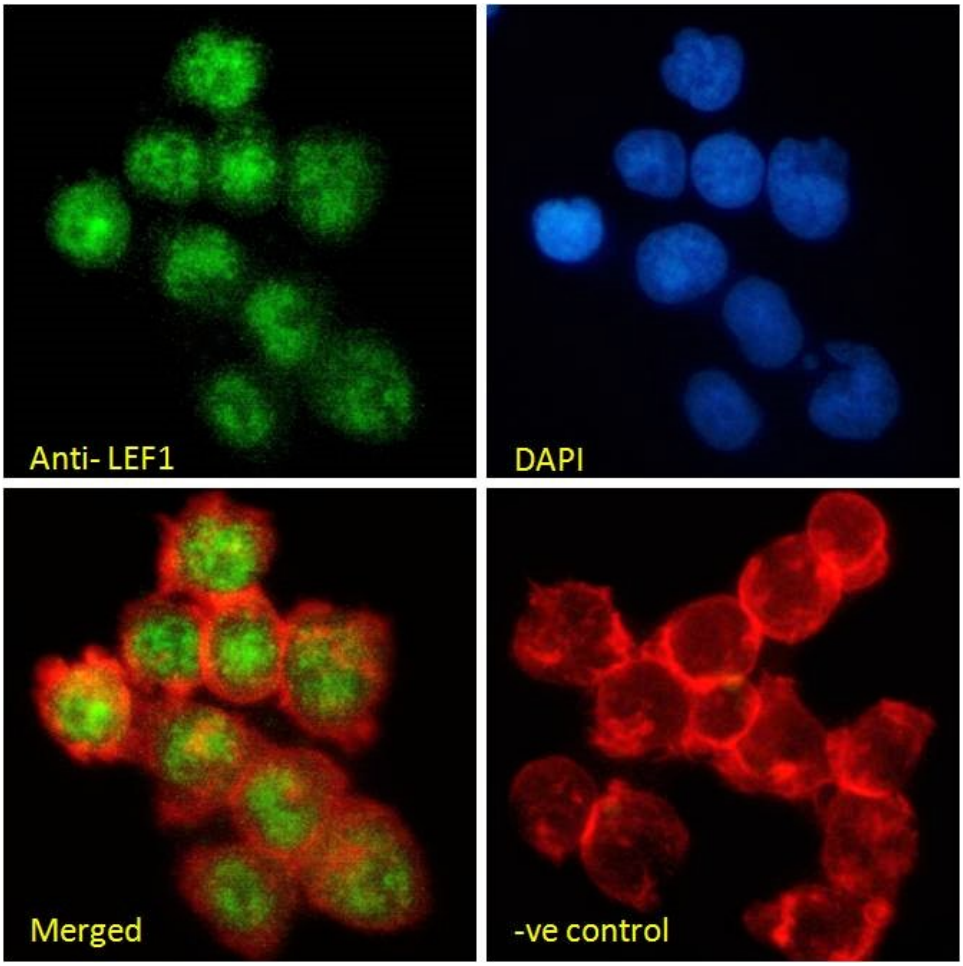
Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

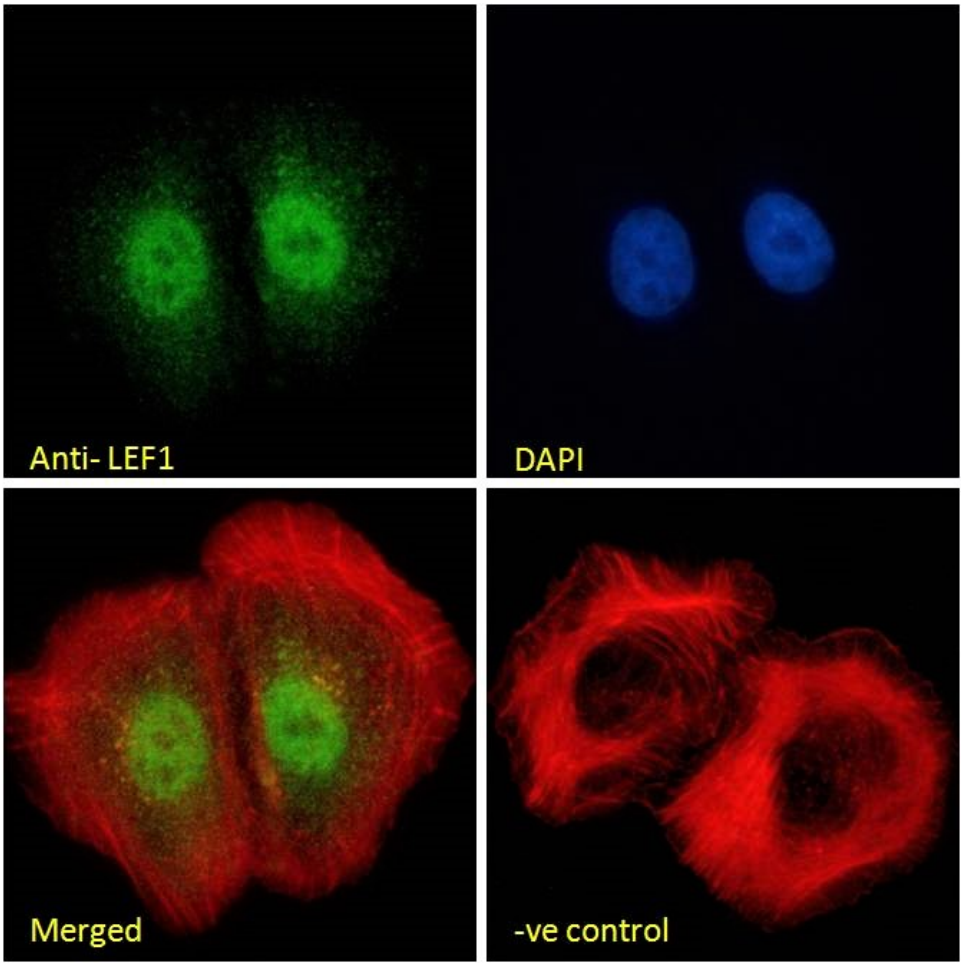
Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



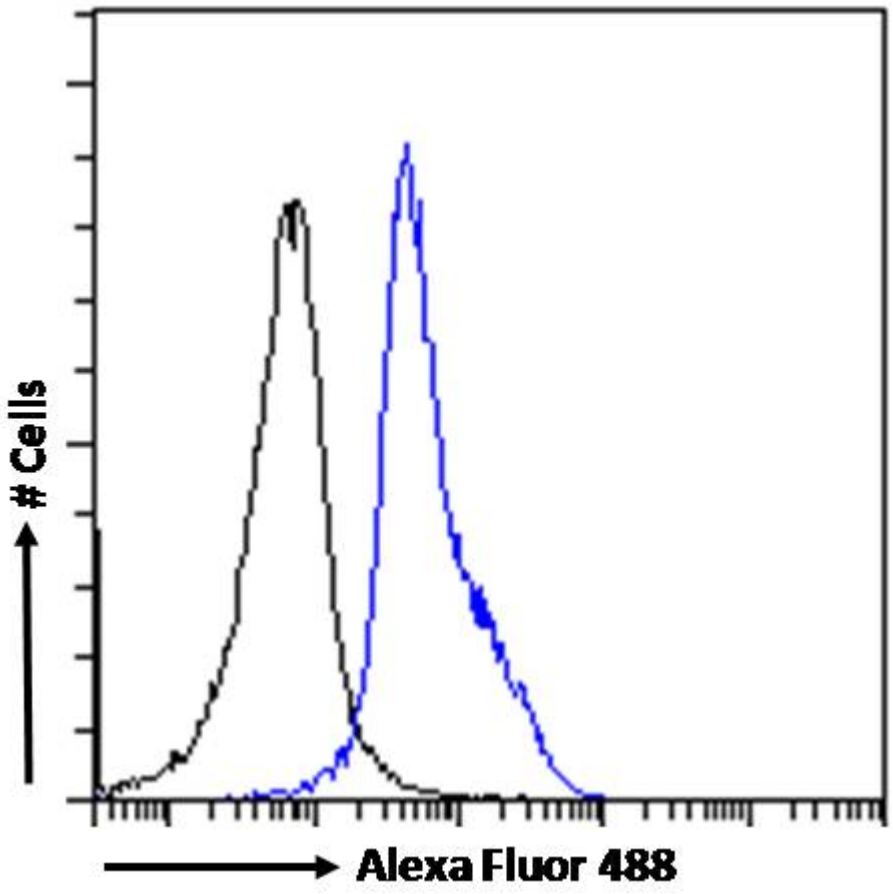
EB07196 (2µg/ml) staining of K562 nuclear cell lysate (A) + peptide (B). (35µg protein in RIPA buffer) Detected by chemiluminescence.



EB07196 Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear 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).



EB07196 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 nuclear 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).



EB07196 Flow cytometric analysis of paraformaldehyde fixed Jurkat 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.