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EB06034 - Goat Anti-FOXK2 / ILF (isoform 1) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ILF1, FOXK2, ILF, ILF-1, interleukin enhancer binding factor 1, cellular transcription factor ILF-1, forkhead box K2
Official Symbol: FOXK2
Accession Number(s): NP_004505.2;
Human GeneID(s): 3607

Immunogen

Peptide with sequence C-TPPAAVREKGVQN, from the C Terminus of the protein sequence according to NP_004505.2;.

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

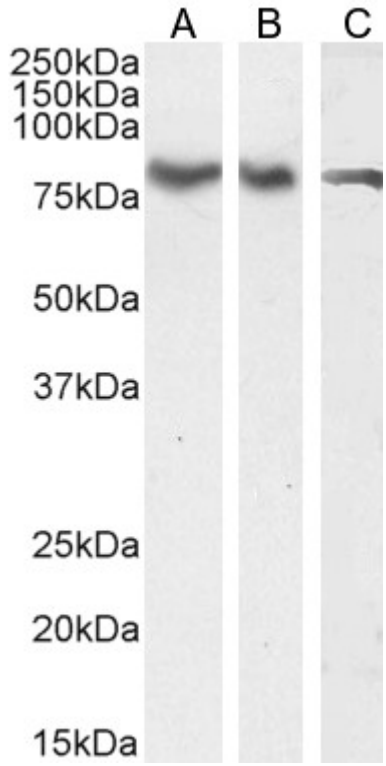
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 80kDa band observed in nuclear lysates of cell lines HEK293, HeLa and Jurkat (calculated MW of 69.1kDa according to NP_004505.2.) This molecular weight is routinely observed by other sources and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 hour at room temperature.

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

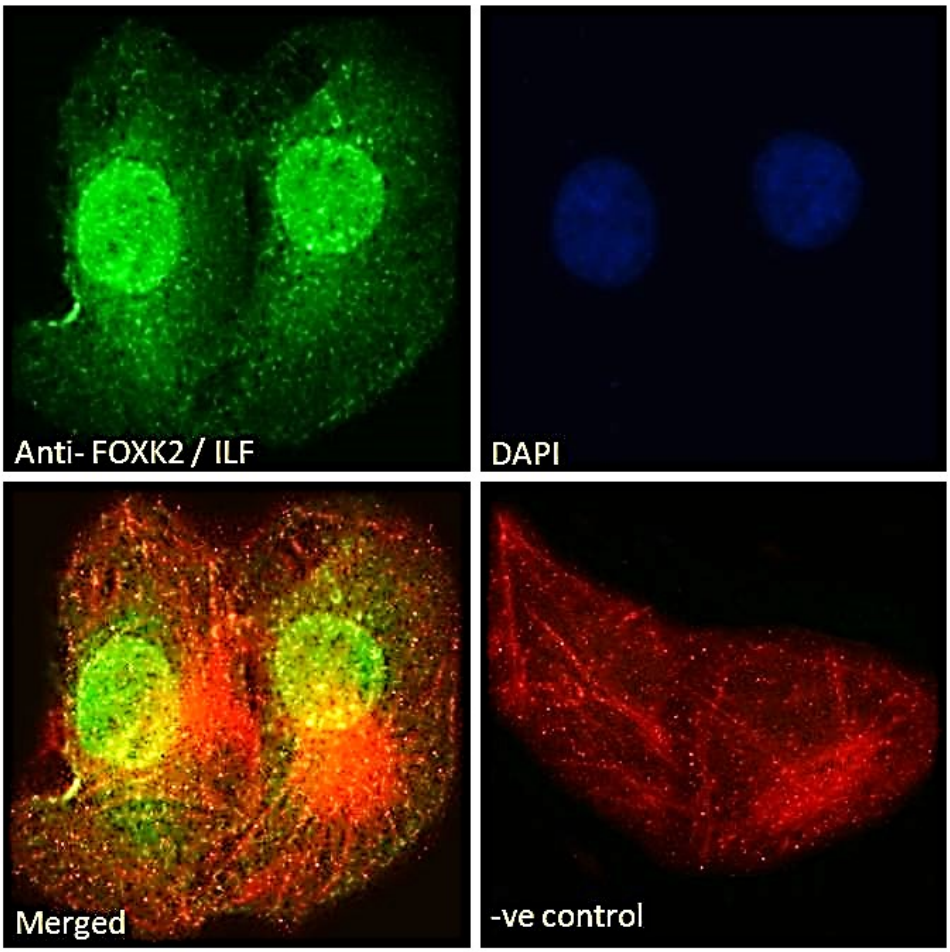
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

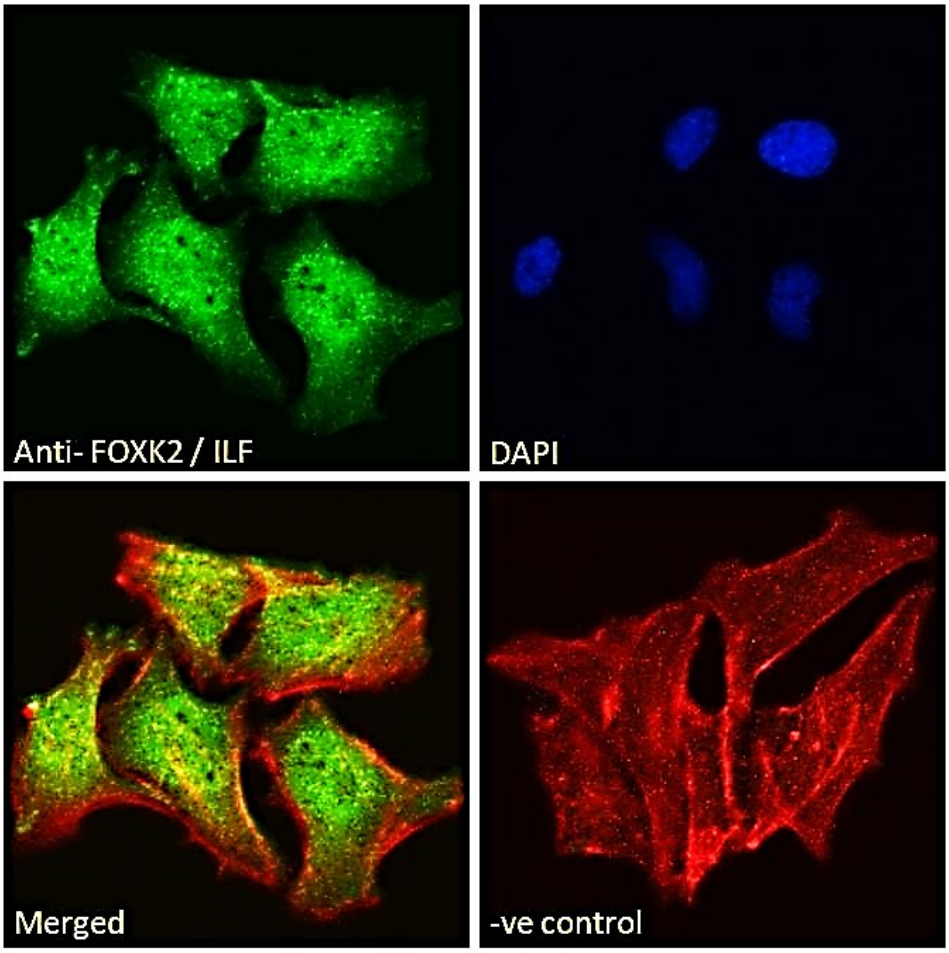


EB06034 (0.03µg/ml) staining of HEK293 (A), HeLa (B) and Jurkat (C) nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

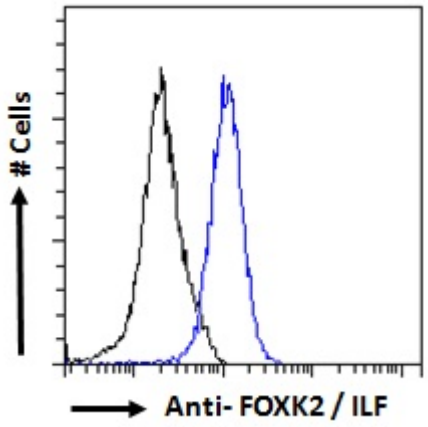


EB06034 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and

cytoplasmic/vesicle 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).



EB06034 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic/vesicle 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).



EB06034 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.