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EB05469 - Goat Anti-KLF8 / BKLF3 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: KLF8, BKLF3, Kruppel-like factor 8, RP13-1021K9.1, DKFZp686O08126, DXS741, MGC138314, ZNF741, zinc finger protein 741, basic kruppel-like factor 3
Official Symbol: KLF8
Accession Number(s): NP_009181.2; NP_001152768.1; NP_001311029.1
Human GeneID(s): 11279
Important Comments: This antibody is expected to recognise isoform 1 (NP_009181.2) and isoform 2 (NP_001152768.1).

Immunogen

Peptide with sequence VDMDKLINNLEVQ-C, from the N Terminus of the protein sequence according to NP_009181.2; NP_001152768.1; NP_001311029.1.

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

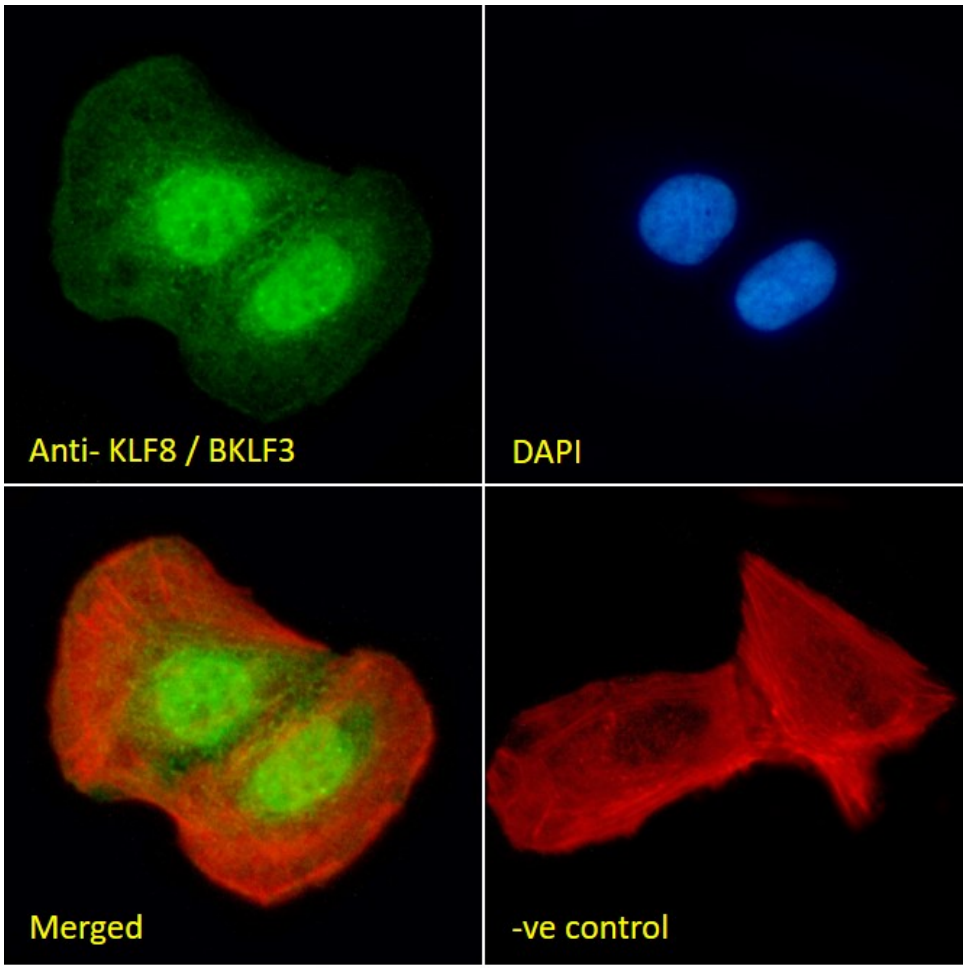
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Preliminary testing showed bands at approx. 27+45kDa in HeLa nuclear cell lysate at a concentration of 1ug/ml (calculated Mwt. of 39.3kDa according to NP_009181.2 and 27.2kDa according to NP_001152768.1). Both bands were blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature.

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

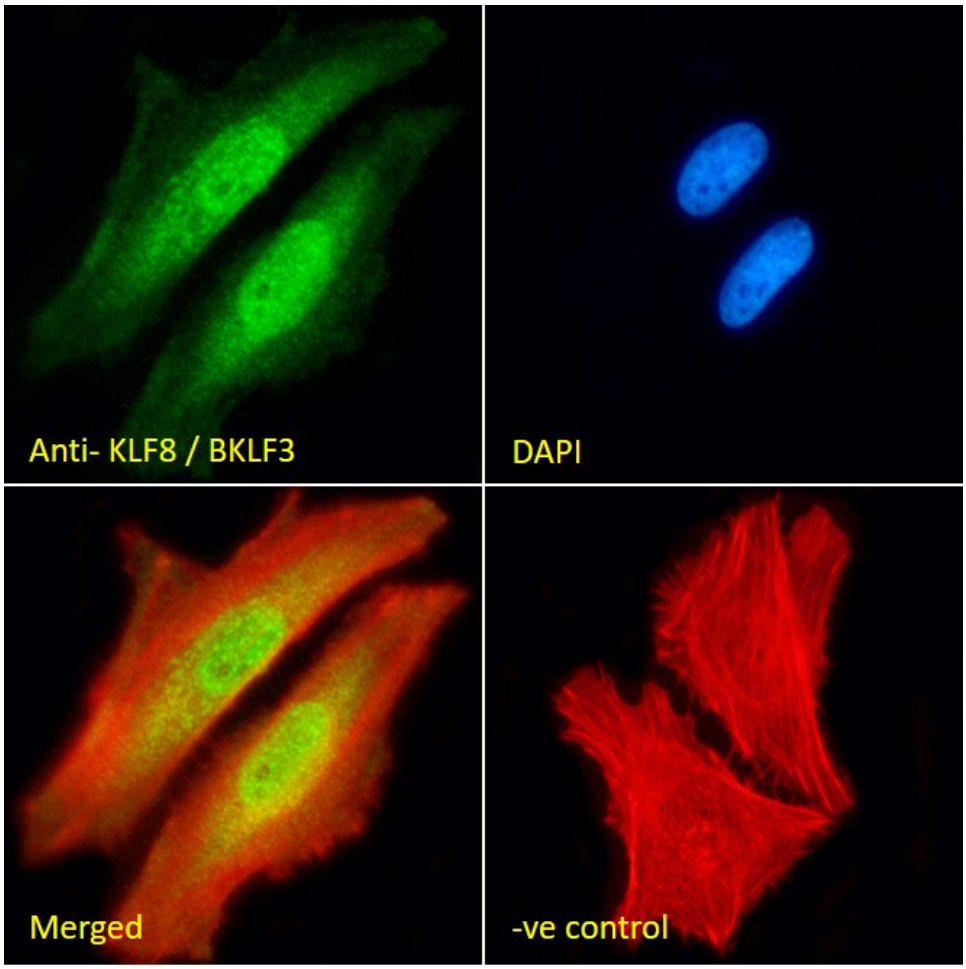
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

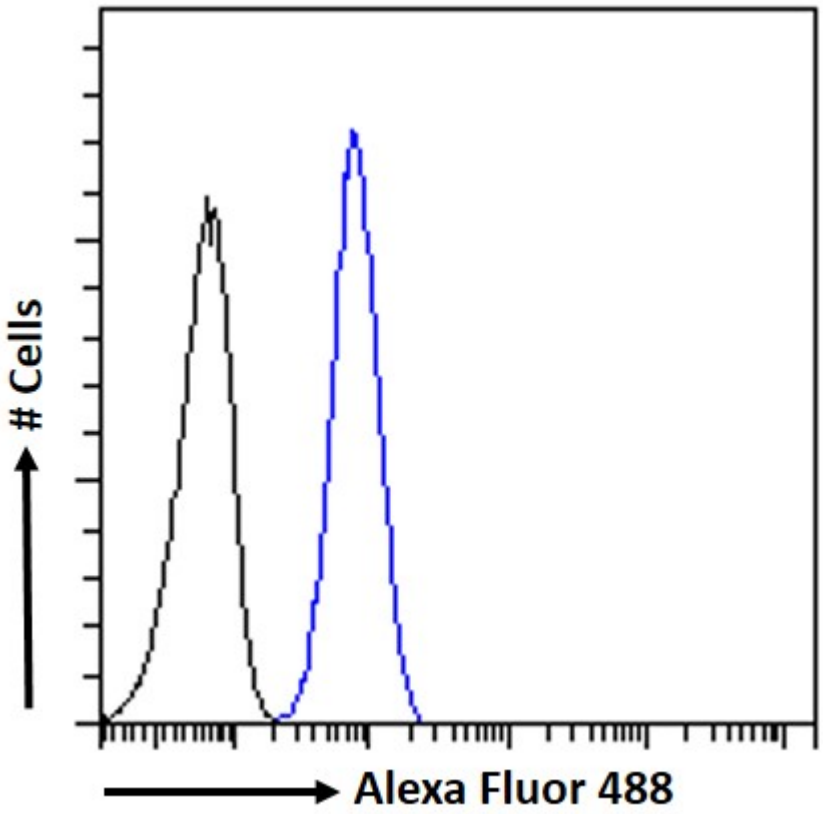
Tested: Human
Expected from sequence similarity: Human



EB05469 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).



EB05469 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 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).



EB05469 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.