

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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 1µg/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.

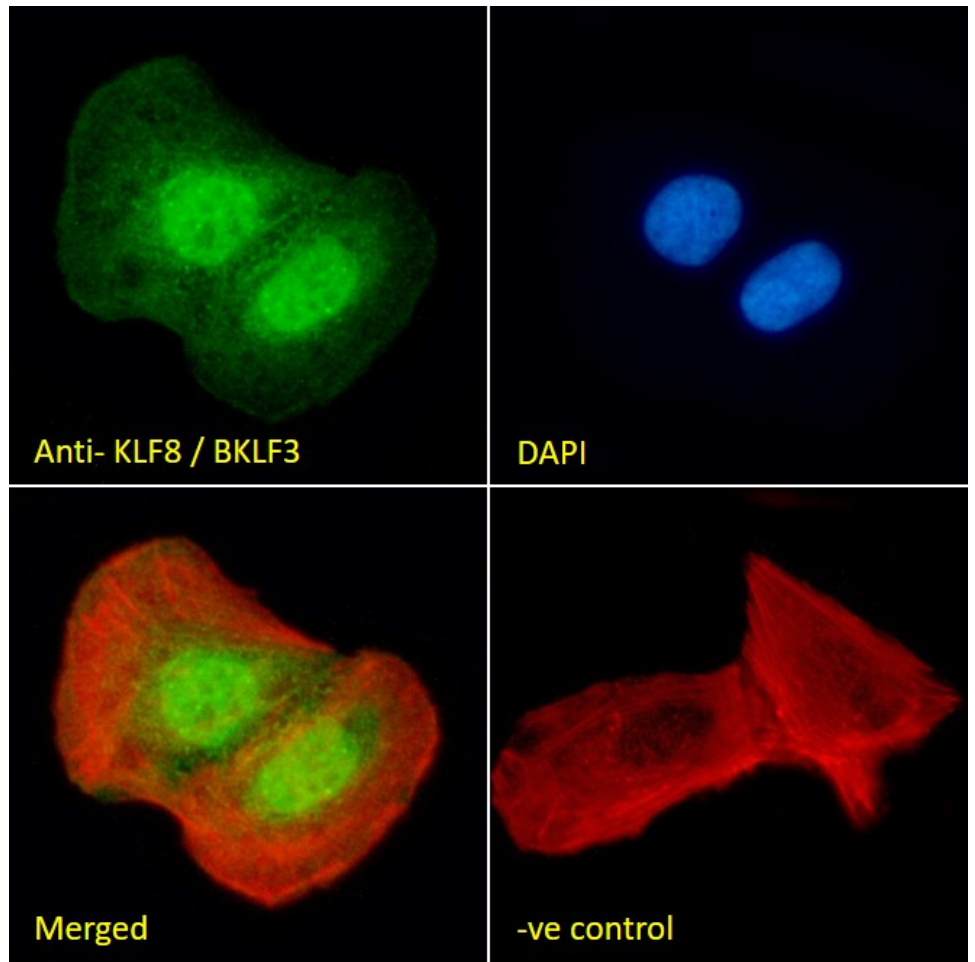
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

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

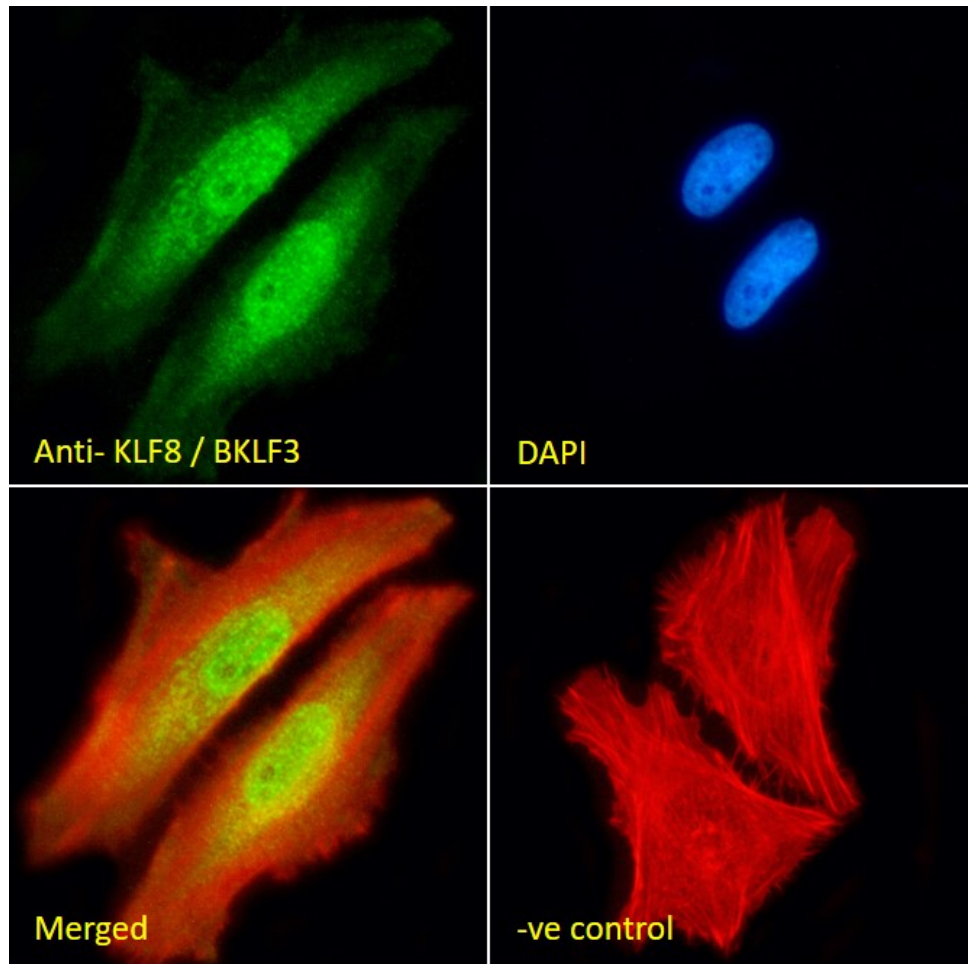
### Species Reactivity

**Tested:** Human

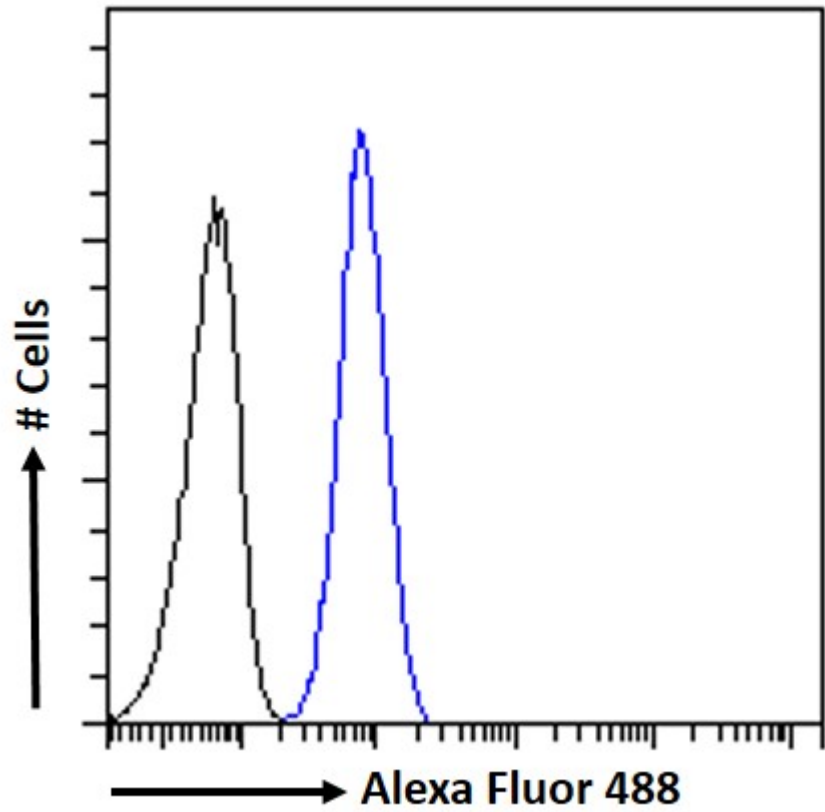
**Expected from sequence similarity:** Human



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.