

## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB09810 - Goat Anti-IKZF4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** EOS, IKAROS family zinc finger 4 (Eos), KIAA1782, zinc finger protein, subfamily 1A, 4, zinc finger protein, subfamily 1A, 4 (Eos), zinc finger transcription factor Eos, ZNFN1A4, IKZF4

**Official Symbol:** IKZF4

**Accession Number(s):** NP\_071910.3; NP\_001338019.1; NP\_001338020.1; NP\_001338021.1

**Human GeneID(s):** [64375](#)

**Non-Human GeneID(s):** 22781 (mouse)

**Important Comments:** This antibody is expected to recognise reported isoforms NP\_071910.3; NP\_001338019.1; NP\_001338020.1; NP\_001338021.1

### Immunogen

Peptide with sequence C-RPTFIDRLANSLTKR, from the internal region of the protein sequence according to NP\_071910.3; NP\_001338019.1; NP\_001338020.1; NP\_001338021.1.

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 1:2000.

**Western blot:** Approx 60kDa band observed in nuclear lysates of cell line Jurkat, approx.. 60+70kDa in nuclear lysates of cell line K562, and approx. 55kDa in Mouse Heart lysates (calculated MW of 64.1kDa according to Human NP\_071910.3, 59.1kDa Human NP\_001338019.1, and 58.1kDa according to Mouse NP\_001345465.1). All bands were successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.1-2µg/ml. Primary incubation 1 hour at room temperature.

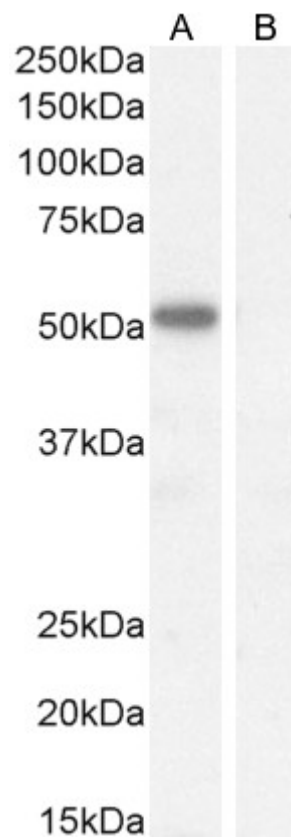
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of U2OS and HeLa cells. Recommended concentration: (5)µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

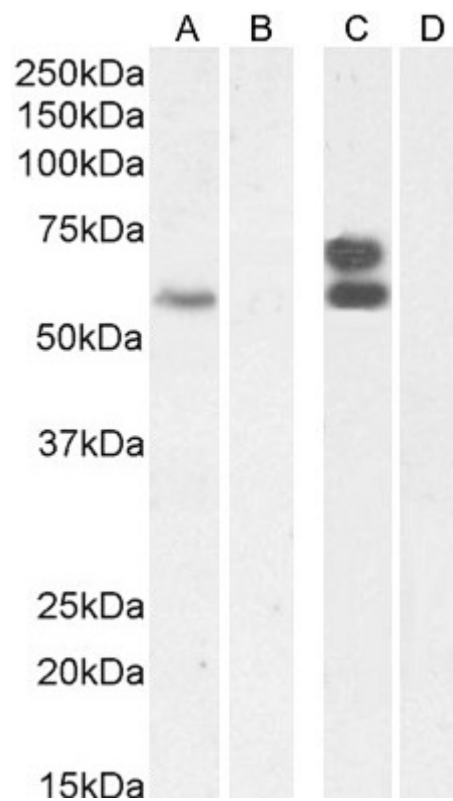
### Species Reactivity

**Tested:** Human, Mouse

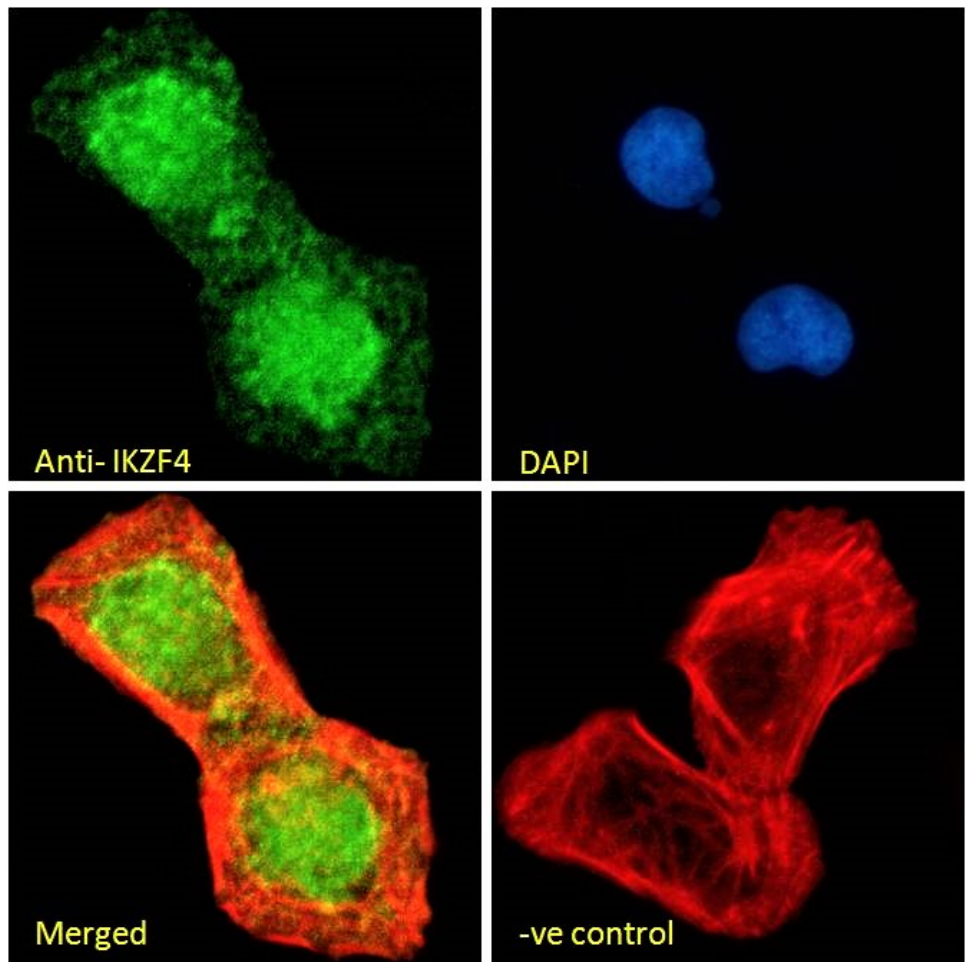
**Expected from sequence similarity:** Human, Mouse, Dog, Cow



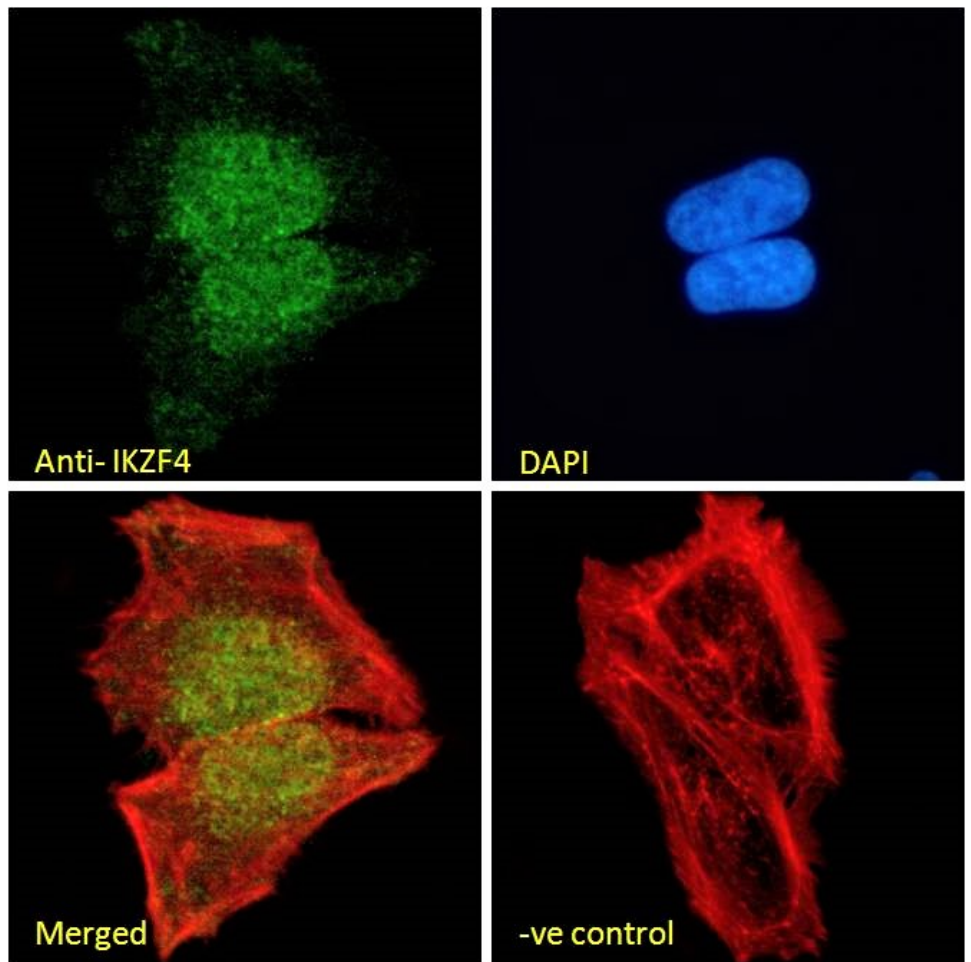
EB09810 (1ug/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



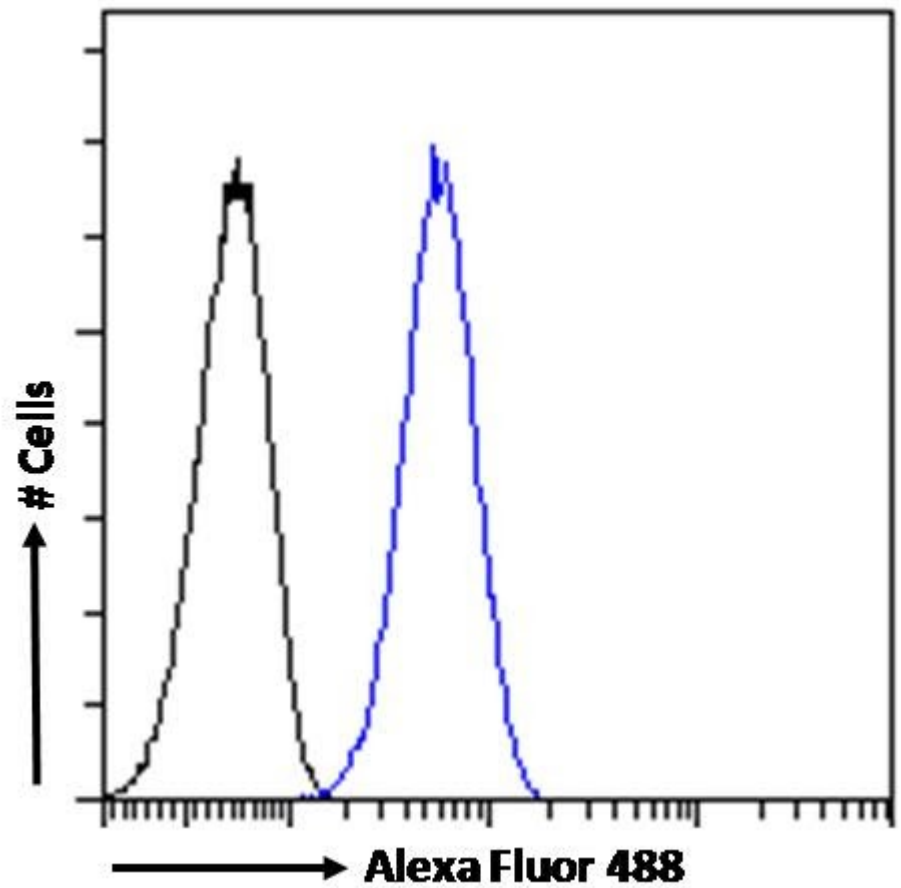
EB09810 (2µg/ml) staining of Jurkat nuclear lysate (A) + Peptide (B), and (0.1ug/ml) staining of K562 nuclear lysate (C) + Peptide (D), (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09810 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).



EB09810 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).



EB09810 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.