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**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.

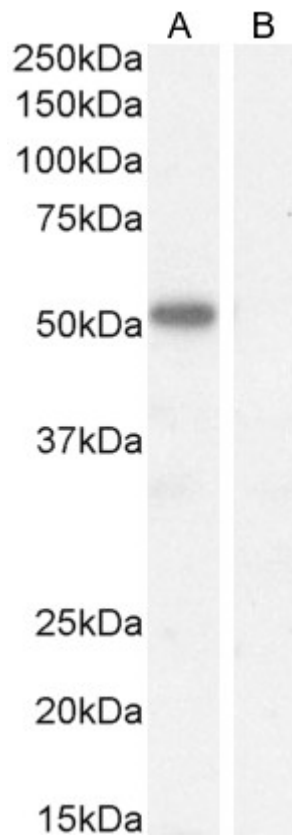
Immunofluorescence: Strong expression of the protein seen in the nuclei of U2OS and HeLa cells. Recommended concentration: (5)µg/ml.

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

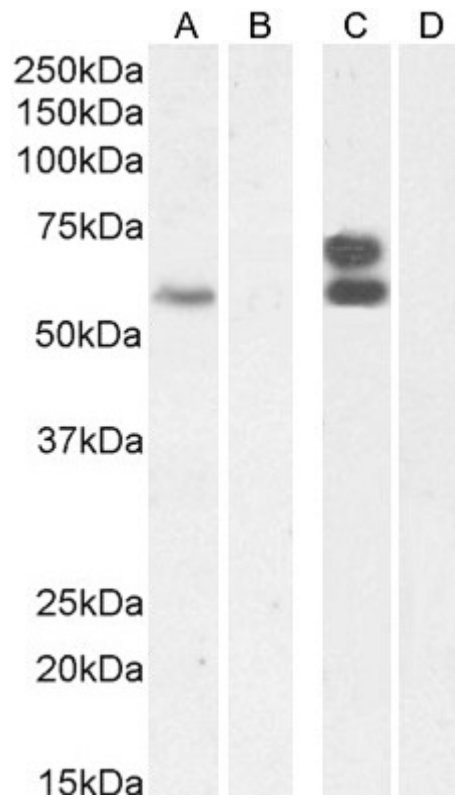
Species Reactivity

Tested: Human, Mouse

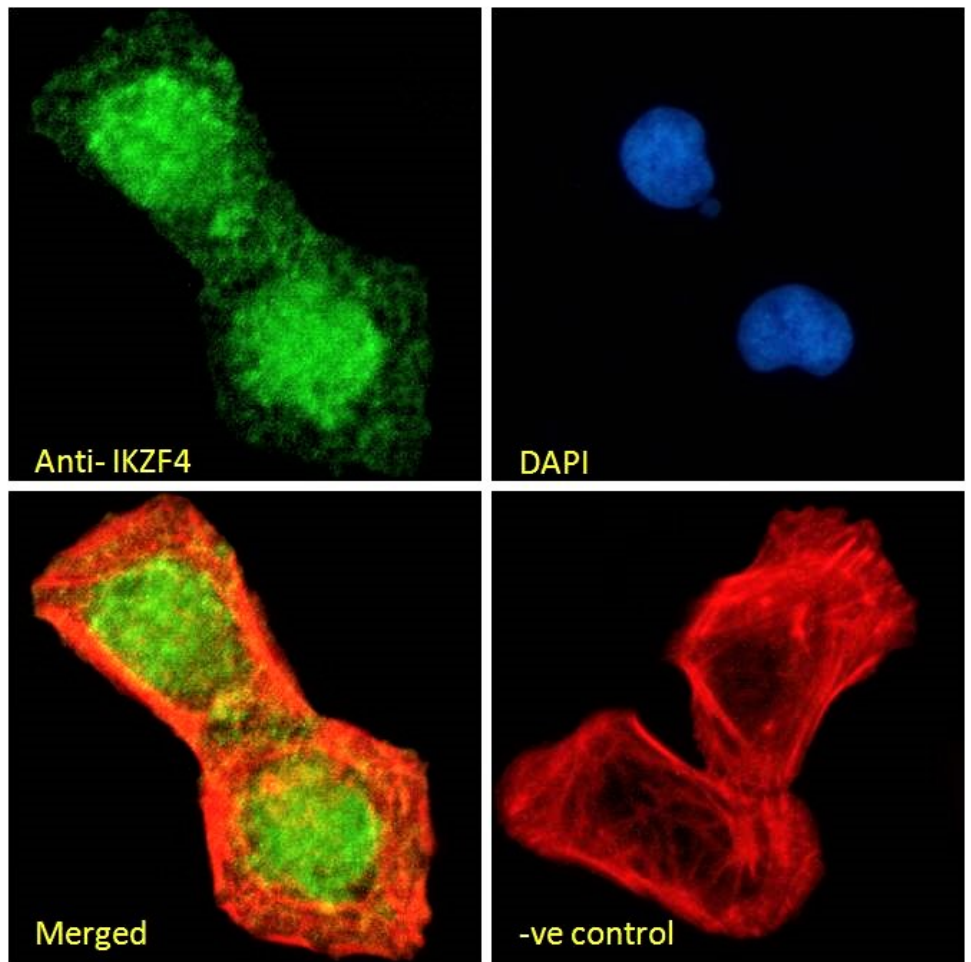
Expected from sequence similarity: Human, Mouse, Dog, Cow



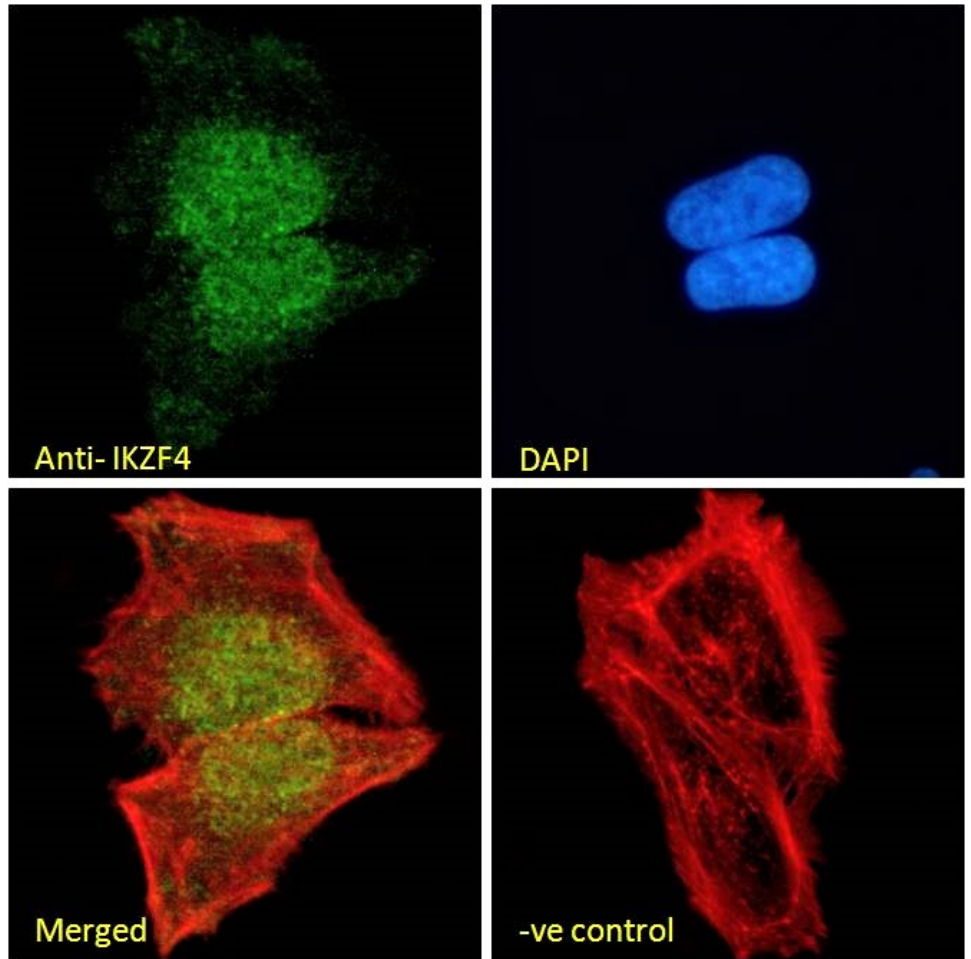
EB09810 (1ug/ml) staining of Mouse Heart lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



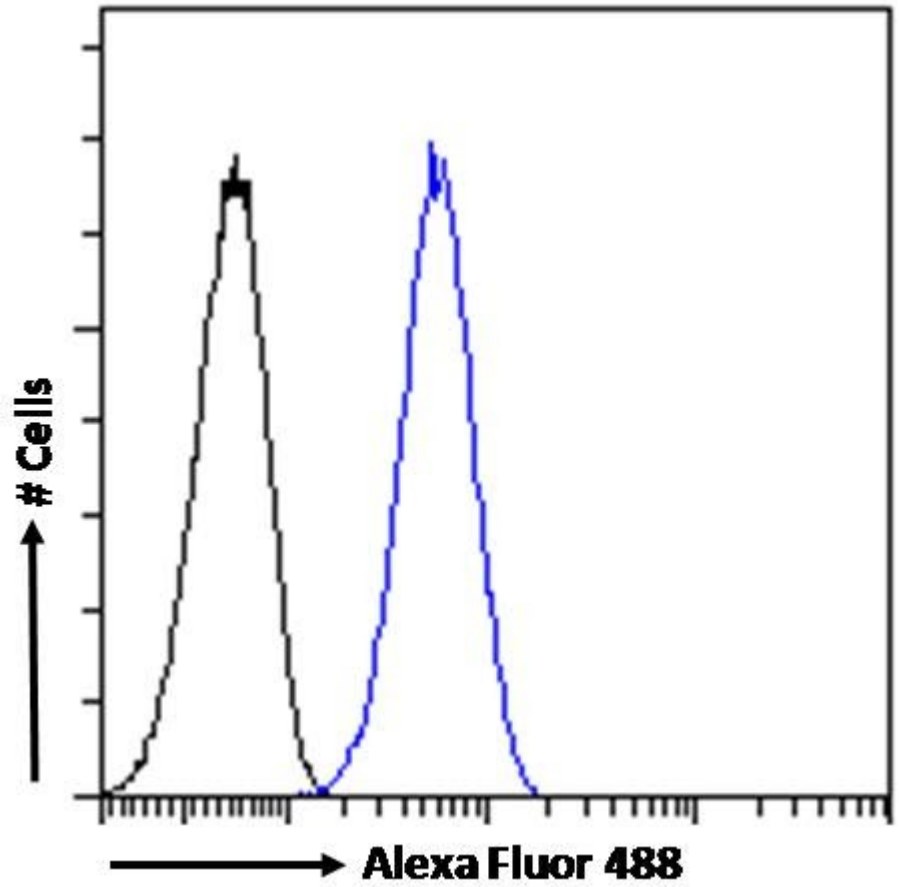
EB09810 (2μg/ml) staining of Jurkat nuclear lysate (A) + Peptide (B), and (0.1ug/ml) staining of K562 nuclear lysate (C) + Peptide (D), (35μg protein in RIPA buffer). Detected by chemiluminescence.



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.