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IKZF4 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3093a

Specification

IKZF4 Antibody (internal region) - Product Information

Application	**WB, IF, FC, Pep-ELISA**
Primary Accession	Q9H2S9
Other Accession	NP_071910.3, 64375, 22781 (mouse)
Predicted	**Human, Mouse, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**64106**

IKZF4 Antibody (internal region) - Additional Information

Gene ID 64375

Other Names
Zinc finger protein Eos, Ikaros family zinc finger protein 4, IKZF4, KIAA1782, ZNFN1A4

Dilution
WB~~1:1000
IF~~1:50~200
FC~~1:10~50
Pep-ELISA~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
IKZF4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

IKZF4 Antibody (internal region) - Protein Information

Name IKZF4

Synonyms KIAA1782, ZNFN1A4

Function

DNA-binding protein that binds to the 5'GGGAATRCC-3' Ikaros- binding sequence. Transcriptional repressor. Interacts with SPI1 and MITF to repress transcription of the CTSK and ACP5 promoters via recruitment of corepressors SIN3A and CTBP2. May be involved in the development of central and peripheral nervous systems. Essential for the inhibitory function of regulatory T-cells (Treg). Mediates FOXP3- mediated gene silencing in regulatory T-cells (Treg) via recruitment of corepressor CTBP1 (By similarity).

Cellular Location
Nucleus.

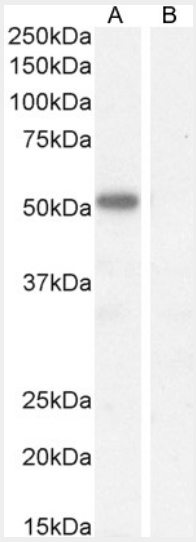
Tissue Location
Highly expressed in skeletal muscle, low levels of expression in heart, thymus, kidney, liver, and spleen. Expressed in the hematopoietic cell lines MOLT-4, NALM-6 and K-562. Highly expressed in THP-1 and M-07e cell lines, which have characteristics of myeloid and early megakaryocytic cells respectively

IKZF4 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IKZF4 Antibody (internal region) - Images



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

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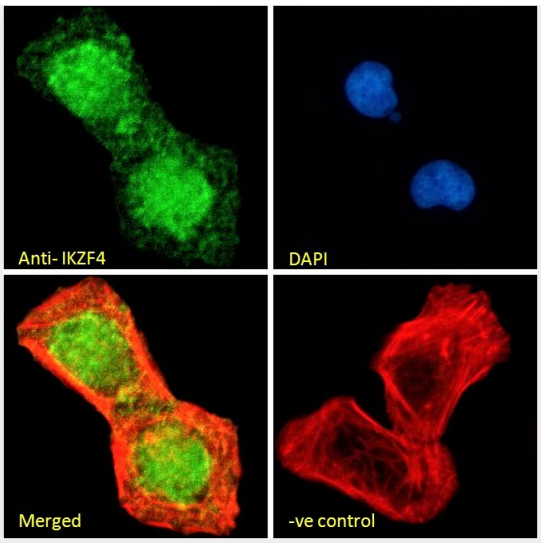
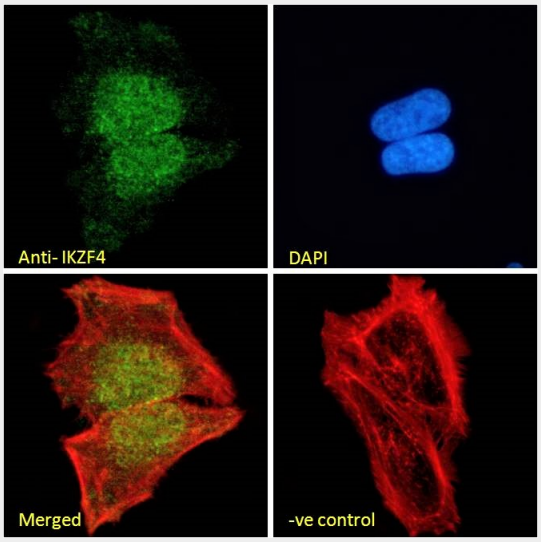


EB09810 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained wit



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 wit

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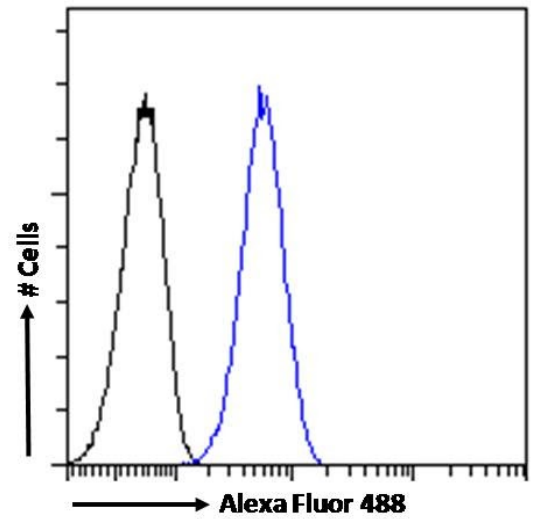
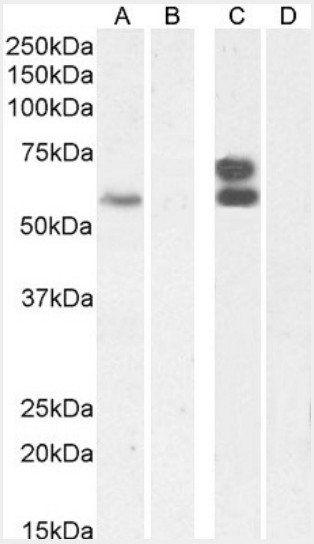


EB09810 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fol



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.

IKZF4 Antibody (internal region) - References

A novel susceptibility locus for type 1 diabetes on Chr12q13 identified by a genome-wide association study. Hakonarson H, Qu HQ, Bradfield JP, Marchand L, Kim CE, Glessner JT, Grabs R, Casalunovo T, Taback SP, Frackelton EC, Eckert AW, Annaiah K, Lawson ML, Otieno FG, Santa E, Shaner JL, Smith RM, Onyiah CC, Skraban R, Chiavacci RM, Robinson LJ, Stanley CA, Kir Diabetes 2008 Apr 57 (4): 1143-6. PMID: 18198356