

IKZF1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10222b**Specification**

IKZF1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O13422](#)
Other Accession [NP_006051.1](#)

IKZF1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10320

Other Names

DNA-binding protein Ikaros, Ikaros family zinc finger protein 1, Lymphoid transcription factor LyF-1, IKZF1, IK1, IKAROS, LYF1, ZNFN1A1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IKZF1 Antibody (C-term) Blocking peptide - Protein Information

Name IKZF1

Synonyms IK1, IKAROS, LYF1, ZNFN1A1

Function

Transcription regulator of hematopoietic cell differentiation (PubMed:17934067). Binds gamma-satellite DNA (PubMed:17135265, PubMed:19141594). Plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Repressor of the TDT (fikzfterminal deoxynucleotidyltransferase) gene during thymocyte differentiation. Regulates transcription through association with both HDAC-dependent and HDAC-independent complexes. Targets the 2 chromatin-remodeling complexes, NuRD and BAF (SWI/SNF), in a single complex (PYR complex), to the beta-globin locus in adult erythrocytes. Increases normal apoptosis in adult erythroid cells. Confers early temporal competence to retinal progenitor cells (RPCs) (By similarity). Function is isoform-specific and is modulated by dominant-negative inactive isoforms (PubMed:17135265, PubMed:17934067).

Cellular Location

Nucleus. Note=In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events. [Isoform Ik6]: Cytoplasm.

Tissue Location

Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

IKZF1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

IKZF1 Antibody (C-term) Blocking peptide - Images**IKZF1 Antibody (C-term) Blocking peptide - References**

He, C.F., et al. Lupus 19(10):1181-1186(2010)Yang, L., et al. Oncol. Rep. 24(2):571-577(2010)Jager, R., et al. Leukemia 24(7):1290-1298(2010)Kuiper, R.P., et al. Leukemia 24(7):1258-1264(2010)Matulic, M., et al. Coll Antropol 34(1):59-62(2010)