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BCL11A Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9630b

Specification

BCL11A Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H165

BCL11A Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 53335

Other Names
B-cell lymphoma/leukemia 11A, BCL-11A, B-cell CLL/lymphoma 11A, COUP-TF-interacting protein 1, Ecotropic viral integration site 9 protein homolog, EVI-9, Zinc finger protein 856, BCL11A, CTIP1, EVI9, KIAA1809, ZNF856

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.

BCL11A Antibody (C-term) Blocking Peptide - Protein Information

Name BCL11A

Synonyms CTIP1, EVI9, KIAA1809, ZNF856

Function
Transcription factor (PubMed:16704730, PubMed:29606353). Associated with the BAF SWI/SNF chromatin remodeling complex (PubMed:23644491). Binds to the 5'-TGACCA-3' sequence motif in regulatory regions of target genes, including a distal promoter of the HBG1 hemoglobin subunit gamma-1 gene (PubMed:29606353). Involved in regulation of the developmental switch from gamma- to beta-globin, probably via direct repression of HBG1; hence indirectly repressing fetal hemoglobin (HbF) level (PubMed:29606353, PubMed:26375765). Involved in brain development (PubMed:27453576). May play a role in hematopoiesis (By similarity). Essential factor in lymphopoiesis required for B-cell formation in fetal liver (By similarity). May function as a

modulator of the transcriptional repression activity of NR2F2 (By similarity).

Cellular Location
Cytoplasm. Nucleus. Chromosome. Note=Associates with the nuclear body Colocalizes with SUMO1 and SENP2 in nuclear speckles (By similarity) [Isoform 2]: Cytoplasm. Nucleus Note=Predominantly localized in the nucleus in nuclear paraspeckles

Tissue Location
Expressed at high levels in brain, spleen thymus, bone marrow and testis. Expressed in CD34-positive myeloid precursor cells, B-cells, monocytes and megakaryocytes. Expression is tightly regulated during B-cell development.

BCL11A Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

BCL11A Antibody (C-term) Blocking Peptide - Images

BCL11A Antibody (C-term) Blocking Peptide - Background

BCL11A is a C2H2 type zinc-finger protein by its similarity to the mouse Bcl11a/Evi9 protein. The corresponding mouse gene is a common site of retroviral integration in myeloid leukemia, and may function as a leukemia disease gene, in part, through its interaction with BCL6.

BCL11A Antibody (C-term) Blocking Peptide - References

Solovieff, N., et al. Blood 115(9):1815-1822(2010)Nuinoon, M., et al. Hum. Genet. 127(3):303-314(2010)