

HLF Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HLF.

Catalog # AT2379a

Product Information

Application	WB, IF
Primary Accession	Q16534
Other Accession	BC036093
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1F12-1C4
Calculated MW	33199

Additional Information

Gene ID	3131
Other Names	Hepatic leukemia factor, HLF
Target/Specificity	HLF (AAH36093, 1 a.a. ~ 295 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HLF Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

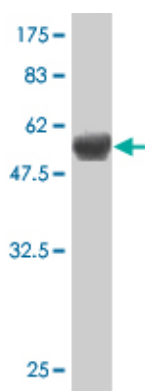
This gene encodes a member of the proline and acidic-rich (PAR) protein family, a subset of the bZIP transcription factors. The encoded protein forms homodimers or heterodimers with other PAR family members and binds sequence-specific promoter elements to activate transcription. Chromosomal translocations fusing portions of this gene with the E2A gene cause a subset of childhood B-lineage acute lymphoid leukemias. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

References

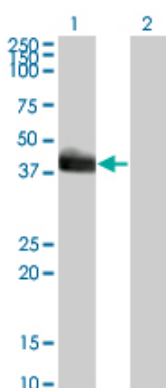
Aberrant induction of LMO2 by the E2A-HLF chimeric transcription factor and its implication in

leukemogenesis of B-precursor ALL with t(17;19). Hirose K, et al. Blood, 2010 Aug 12. PMID 20519628. Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926. Thyroid hormone induces hypoxia-inducible factor 1alpha gene expression through thyroid hormone receptor beta/retinoid x receptor alpha-dependent activation of hepatic leukemia factor. Otto T, et al. Endocrinology, 2008 May. PMID 18239067. Hypercalcemia in childhood acute lymphoblastic leukemia: frequent implication of parathyroid hormone-related peptide and E2A-HLF from translocation 17;19. Inukai T, et al. Leukemia, 2007 Feb. PMID 17183364. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

Images

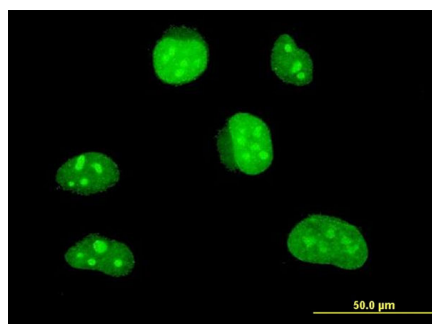


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (58.19 KDa) .



Western Blot analysis of HLF expression in transfected 293T cell line by HLF monoclonal antibody (M01), clone 1F12-1C4.

Lane 1: HLF transfected lysate (33.2 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to HLF on HeLa cell . [antibody concentration 10 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.