

MSC Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17919B

Product Information

Application	WB, E
Primary Accession	O60682
Other Accession	NP_005089.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37175
Calculated MW	22068
Antigen Region	166-194

Additional Information

Gene ID	9242
Other Names	Musculin, Activated B-cell factor 1, ABF-1, Class A basic helix-loop-helix protein 22, bHLHa22, MSC, ABF1, BHLHA22
Target/Specificity	This MSC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-194 amino acids from the C-terminal region of human MSC.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MSC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MSC
Synonyms	ABF1, BHLHA22
Function	Transcription repressor capable of inhibiting the transactivation capability

of TCF3/E47. May play a role in regulating antigen-dependent B-cell differentiation.

Cellular Location

Nucleus.

Tissue Location

Expressed in lymphoid tissues, B-cell lines and activated B-cells

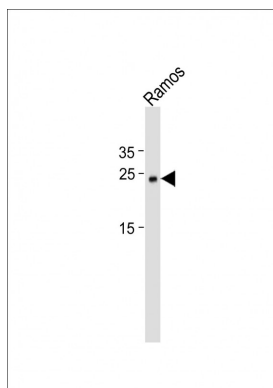
Background

The protein encoded by this gene is a transcriptional repressor capable of binding an E-box element either as a homodimer or as a heterodimer with E2A in vitro. The encoded protein also forms heterodimers with E2A proteins in vivo. This protein is capable of inhibiting the transactivation capability of E47, an E2A protein, in mammalian cells. This gene is a downstream target of the B-cell receptor signal transduction pathway. [provided by RefSeq].

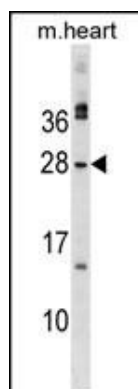
References

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Ushmorov, A., et al. Leukemia 22(10):1942-1944(2008)
Knight, J.C., et al. Nat. Genet. 36(4):394-399(2004)
Wong, J., et al. DNA Cell Biol. 20(8):465-471(2001)
Robb, L., et al. Genomics 57(2):318-319(1999)

Images



Anti- MSC Antibody (C-term) at 1:1000 dilution + Ramos whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



MSC Antibody (C-term) (Cat. #AP17919b) western blot analysis in mouse heart tissue lysates (35 µg/lane). This demonstrates the MSC antibody detected the MSC protein (arrow).

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