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MSC Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17919b

Specification

MSC Antibody (C-term) - Product Information

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

MSC Antibody (C-term) - 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.

MSC Antibody (C-term) - 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.

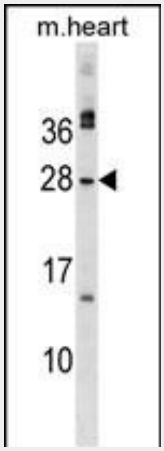
Tissue Location
Expressed in lymphoid tissues, B-cell lines and activated B-cells

MSC Antibody (C-term) - 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

MSC Antibody (C-term) - Images



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

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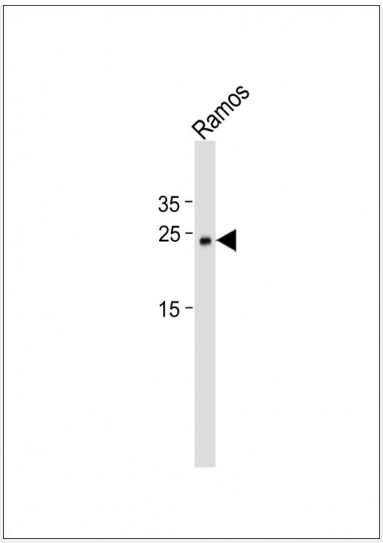

Anti- MSC Antibody (C-term)at 1:1000 dilution + Ramos whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

MSC Antibody (C-term) - 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].

MSC Antibody (C-term) - References

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
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)