

Product datasheet

Anti-MIST-1 antibody [6E8/A12/C11P1] - C-terminal
ab110919

1 Image

Overview

Product name	Anti-MIST-1 antibody [6E8/A12/C11P1] - C-terminal
Description	Mouse monoclonal [6E8/A12/C11P1] to MIST-1 - C-terminal
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, IHC-Fr
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Mouse MIST-1 aa 175-197 (C terminal).
Positive control	Mouse pancreas tissue.
General notes	Protein previously known as BHLHA15.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	6E8/A12/C11P1
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab110919** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

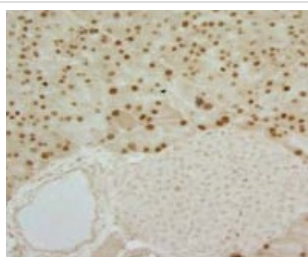
Application	Abreviews	Notes
WB		1/250. Predicted molecular weight: 21 kDa.

Application	Abreviews	Notes
IHC-P		1/50.
IHC-Fr		Use at an assay dependent dilution.

Target

Function	Plays a role in controlling the transcriptional activity of MYOD1, ensuring that expanding myoblast populations remain undifferentiated. Repression may occur through muscle-specific E-box occupancy by homodimers. May also negatively regulate bHLH-mediated transcription through an N-terminal repressor domain. Serves as a key regulator of acinar cell function, stability, and identity. Also required for normal organelle localization in exocrine cells and for mitochondrial calcium ion transport. May function as a unique regulator of gene expression in several different embryonic and postnatal cell lineages. Binds to the E-box consensus sequence 5'-CANNTG-3'.
Tissue specificity	Expressed in brain, liver, spleen and skeletal muscle.
Sequence similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
Domain	Lacks a classic transcription activation domain and instead possesses an N-terminal region capable of inhibiting heterologous activators.
Cellular localization	Nucleus.

Images



ab110919 staining MIST-1 in paraffin-embedded mouse pancreas tissue by Immunohistochemistry.

Note: Nuclear staining in acinar cells but not in duct or islet cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MIST-1 antibody [6E8/A12/C11P1] - C-terminal (ab110919)

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