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BHLHA15 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10649B

Specification

BHLHA15 Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q7RTS1
Other Accession	NP_803238.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**20818**
Antigen Region	**160-189**

BHLHA15 Antibody (C-term) - Additional Information

Gene ID 168620

Other Names
Class A basic helix-loop-helix protein 15, bHLHa15, Class B basic helix-loop-helix protein 8, bHLHb8, Muscle, intestine and stomach expression 1, MIST-1, BHLHA15, BHLHB8, MIST1

Target/Specificity
This BHLHA15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-189 amino acids from the C-terminal region of human BHLHA15.

Dilution
WB~~1:1000
FC~~1:10~50

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
BHLHA15 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BHLHA15 Antibody (C-term) - Protein Information

Name BHLHA15

Synonyms BHLHB8, MIST1

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' (By similarity).

Cellular Location
Nucleus.

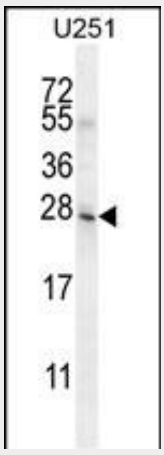
Tissue Location
Expressed in brain, liver, spleen and skeletal muscle.

BHLHA15 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

BHLHA15 Antibody (C-term) - Images



BHLHA15 Antibody (C-term) (Cat. #AP10649b) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the BHLHA15 antibody detected the BHLHA15 protein (arrow).

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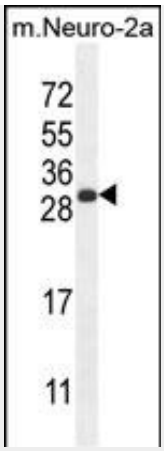
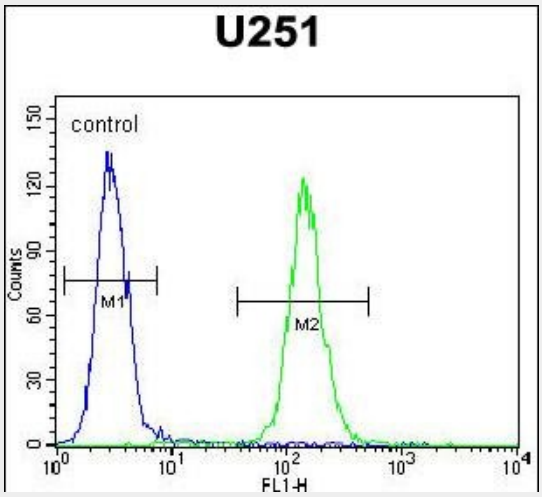


BHLHA15 Antibody (C-term) (Cat. #AP10649b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the BHLHA15 antibody detected the BHLHA15 protein (arrow).



BHLHA15 Antibody (C-term) (Cat. #AP10649b) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

BHLHA15 Antibody (C-term) - Background

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' (By similarity).

BHLHA15 Antibody (C-term) - References

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