

**BHLHA15 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10649b****Specification**

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**BHLHA15 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q7RTS1](#)  
Other Accession [NP\\_803238.1](#)

**BHLHA15 Antibody (C-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BHLHA15 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**BHLHA15 Antibody (C-term) Blocking Peptide - Images****BHLHA15 Antibody (C-term) Blocking Peptide - Background**

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**BHLHA15 Antibody (C-term) Blocking Peptide - References**

Smits, K.M., et al. Ann Epidemiol 20(5):401-404(2010) Tian, X., et al. Mol. Cell. Biol. 30(5):1269-1284(2010) Stevens, J.D., et al. Differentiation 76(9):1006-1022(2008) Zhao, Y., et al. Mol. Endocrinol. 20(9):2187-2198(2006) McLellan, A.S., et al. Mech. Dev. 119 SUPPL 1, S285-S291 (2002) :