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Datasheet for ABIN950660

anti-BHLHA15 antibody (C-Term)

2 Images

Overview

Quantity:	0.4 mL
Target:	BHLHA15
Binding Specificity:	AA 167-197, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BHLHA15 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 167-197 amino acids from the C-terminal region of human BHLHA15
Isotype:	Ig Fraction
Specificity:	This antibody reacts to BHLHB8.
Cross-Reactivity (Details):	Species reactivity (tested): Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	BHLHA15
Alternative Name:	BHLHB8 / BHLHA15 (BHLHA15 Products)

Target Details

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).Synonyms: Class A basic helix-loop-helix protein 15, Class B basic helix-loop-helix protein 8, MIST1, Muscle, intestine and stomach expression 1

Gene ID: 168620

NCBI Accession: [NP_803238](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) sodium azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. BHLHA15 Antibody (C-term) western blot analysis in U251 cell line lysates (35µg/lane). This demonstrates the BHLHA15 antibody detected the BHLHA15 protein (arrow).

Western Blotting

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