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Datasheet for ABIN6991922  
**anti-BHLHA15 antibody (AA 60-110)**

### Overview

Quantity:	0.1 mg
Target:	BHLHA15
Binding Specificity:	AA 60-110
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BHLHA15 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	BHLHA15 antibody was raised against a 18 amino acid peptide near the center of human BHLHA15. The immunogen is located within amino acids 60 - 110 of BHLHA15.
Isotype:	IgG
Specificity:	BHLHA15 antibody is human, mouse and rat reactive.
Purification:	BHLHA15 antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	BHLHA15
Alternative Name:	BHLHA15 ( <a href="#">BHLHA15 Products</a> )

## Target Details

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**Background:** BHLHA15 (basic helix-loop-helix protein 15), also known as MIST1 (muscle intestine and stomach expression 1) belongs to the bHLH family of transcription factors and plays a role in regulating the transcriptional activity of MYOD1 in muscle cell development as well as serving as a key regulator of acinar cell function (1,2). BHLHA15 contains a basic helix-loop-helix (bHLH) domain and is capable of binding to E-box motifs as a homodimer or a heterodimer with E-proteins. It may also negatively regulate bHLH-mediated transcription through a N-terminal repressor domain (3). It is expressed in mammary epithelial cells and is essential for the regulation of mammary gland development (4).

**Molecular Weight:** Predicted: 21 kDa

Observed: 24 kDa

**Gene ID:** 168620

**NCBI Accession:** [NP\\_803238](#)

**UniProt:** [Q7RTS1](#)

## Application Details

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**Application Notes:** BHLHA15 antibody can be used for detection of BHLHA15 by Western blot at 1 - 2  $\mu$ g/mL. Antibody can also be used for Immunohistochemistry starting at 5  $\mu$ g/mL. For immunofluorescence start at 20  $\mu$ g/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** BHLHA15 antibody is supplied in PBS containing 0.02 % sodium azide.

**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

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Storage: -20 °C, 4 °C

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Storage Comment: BHLHA15 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.