

Anti-BHLHA15 Antibody

Catalog Number: A10502

About BHLHA15

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).

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Overview

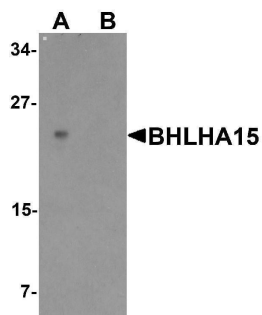
Product Name	Anti-BHLHA15 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BHLHA15 Antibody (Catalog # A10502). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	BHLHA15 antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	BHLHA15 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q7RTS1

Technical Details

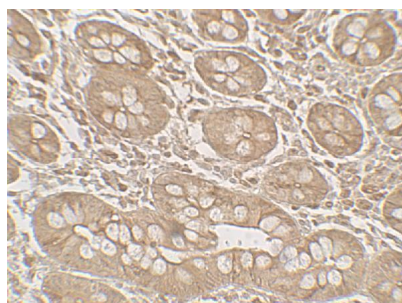
Immunogen	BHLHA15 antibody was raised against a 18 amino acid peptide near the center of human BHLHA15. The immunogen is located within amino acids 60 - 110 of BHLHA15.
Predicted Reactive Species	Bovine
Cross Reactivity	BHLHA15 antibody is human, mouse and rat reactive.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	BHLHA15 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	BHLHA15 antibody can be used for detection of BHLHA15 by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

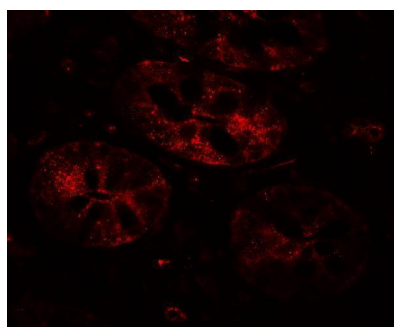
Anti-BHLHA15 Antibody (A10502) Images



Western blot analysis of BHLHA15 in rat small Intestine tissue lysate with BHLHA15 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide



Immunohistochemistry of BHLHA15 in human small intestine tissue with BHLHA15 antibody at 5 ug/mL.



Immunofluorescence of BHLHA15 in human small intestine tissue with BHLHA15 antibody at 20 ug/mL.

Anti-BHLHA15 Antibody

For Research Use Only. Not for use in diagnostic procedures.