



BMA BIOMEDICALS



Peninsula Laboratories

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## Class A basic helix-loop-helix 15 (BHLHA15) (porcine)

The Class A basic helix-loop-helix 15 (bHLHa15) protein, also known as muscle, intestine and stomach expression 1 (MIST-1), is a protein that in humans is encoded by the BHLHA15 gene. bHLHa15 is developmentally necessary for the proper organization of all protein-secreting serous exocrine glands. In the absence of MIST-1, exocrine tissue shows improper organization of organelles, particularly the localization of zymogen granules. The zymogen granules are vesicles that store enzymes near the plasma membrane to easily release them when stimulated. This disorganization caused by loss of Mist1 leads to increased susceptibility to pancreatic damage and potentially pancreatic cancer.

This antibody was generated by immunization of rabbits with BHLHA15 coupled to a carrier protein.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Catalog Number:</b>	T-3567 (Lot 01PO24079)
<b>Clonality:</b>	Polyclonal
<b>Host species:</b>	Rabbit
<b>Reactivity:</b>	Porcine
<b>Quantity:</b>	50 µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized. Reconstitute by adding 50 µl of distilled water. Avoid vortexing. This will give the equivalent of undiluted antiserum.
<b>Stability and Storage:</b>	Shelf life: one from despatch. Lyophilized vials: one year at 4°- 8°C. Stock solution: one year at -20°C. Avoid freeze-thaw cycles.
<b>Immunogen:</b>	Synthetic peptide H-Cys-Pro-Glu-Thr-Leu-Gln-Pro-Gly-Ser-Gly-Pro-Glu-Pro-Ala-Lys-Ala-Leu-Arg-Gly-Arg-Thr-Ala-Arg-Val-Gln-Thr-NH <sub>2</sub> coupled to a carrier protein.
<b>Protein database:</b>	<u><a href="#">porcine-A0A4X1TYG5</a></u>
<b>Cross-Reactivity:</b>	
<b>PEPTIDE:</b>	<b>%:</b>
BHLHA15	100

**Applications:**

Tested in immunohistochemistry (IHC) and in ELISA. Other applications like IF, FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

**Approximate working dilution for IHC:**

Paraffin sections: 1:1000; Proteinase K pretreatment for antigen retrieval is recommended.

Frozen sections: not tested yet.

**Related Products:**

S-1555: ELISA, high sensitivity for extracted samples (po)

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This product contains no preservative and is intended for laboratory use and research purposes only.  
Not for diagnostic or therapeutic applications.

T-3567

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