



# ASCL1, NT (ASCL1, ASH1, BHLHA46, HASH1, Achaete-scute homolog 1, Class A basic helix-loop-helix protein 46) (Biotin)

## Catalog number

032131-Biotin

## Supplier

United States Biological

This gene encodes a member of the basic helix-loop-helix (BHLH) family of transcription factors. The protein activates transcription by binding to the E box (5'-CANNTG-3'). Dimerization with other BHLH proteins is required for efficient DNA binding. This protein plays a role in the neuronal commitment and differentiation and in the generation of olfactory and autonomic neurons. Mutations in this gene may contribute to the congenital central hypoventilation syndrome (CCHS) phenotype in rare cases.

## Applications

Suitable for use in Western Blot, ELISA

## Recommended Dilution

ELISA: 1:1,000

Western Blot: 1:100-500

## Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

## Note

Applications are based on unconjugated antibody.

## Immunogen

ASCL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-90 amino acids from the N-terminal region of human ASCL1.

## Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.

## Purity

Purified by Protein A affinity chromatography.

## Specificity

Human

## Product Type



Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

E WB

**Crossreactivity**

Hu

**Storage**

-20°C

**Detection Method**

Biotin

**Reference**

- Phi, J.H., et al. J Neurosurg Pediatr 5(6):608-614(2010)
- McGaughey, D.M., et al. Genomics 95(6):363-369(2010)
- Li, F., et al. Zhongguo Fei Ai Za Zhi 13(4):317-321(2010)
- Deng, H., et al. Biochem. Biophys. Res. Commun. 392(4):548-550(2010)
- Improgo, M.R., et al. Mol. Cancer Res. 8(2):194-203(2010)