

ASCL1 Polyclonal Antibody

Catalog # AP74090

### Specification

# ASCL1 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality IHC-P <u>P50553</u> Human, Mouse, Rat Rabbit Polyclonal

### **ASCL1 Polyclonal Antibody - Additional Information**

Gene ID 429

**Other Names** Achaete-scute homolog 1 (ASH-1) (hASH1) (Class A basic helix-loop-helix protein 46) (bHLHa46)

Dilution IHC-P~~N/A

**Format** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions** -20°C

# **ASCL1 Polyclonal Antibody - Protein Information**

Name ASCL1 (HGNC:738)

#### Function

Transcription factor that plays a key role in neuronal differentiation: acts as a pioneer transcription factor, accessing closed chromatin to allow other factors to bind and activate neural pathways. Directly binds the E box motif (5'-CANNTG-3') on promoters and promotes transcription of neuronal genes. The combination of three transcription factors, ASCL1, POU3F2/BRN2 and MYT1L, is sufficient to reprogram fibroblasts and other somatic cells into induced neuronal (iN) cells in vitro. Plays a role at early stages of development of specific neural lineages in most regions of the CNS, and of several lineages in the PNS. Essential for the generation of olfactory and autonomic neurons. Acts synergistically with FOXN4 to specify the identity of V2b neurons rather than V2a from bipotential p2 progenitors during spinal cord neurogenesis, probably through DLL4-NOTCH signaling activation. Involved in the regulation of neuroendocrine cell development in the glandular stomach (By similarity).

Cellular Location Nucleus {ECO:0000250|UniProtKB:Q02067}.

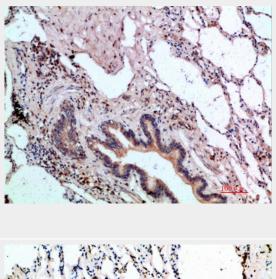


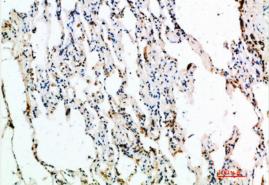
# ASCL1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

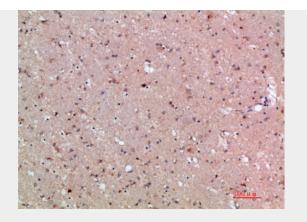
- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# **ASCL1** Polyclonal Antibody - Images









# ASCL1 Polyclonal Antibody - Background

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