10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MASH1 Antibody

Rabbit polyclonal antibody to MASH1
Catalog # AP59970

Product Information

Application	WB
Primary Accession	P50553
Other Accession	Q02067
Reactivity	Human, Mouse, Rat, Zebrafish, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25454

Additional Information

Gene ID	429
Other Names	ASH1; BHLHA46; HASH1; Achaete-scute homolog 1; ASH-1; hASH1; Class A basic helix-loop-helix protein 46; bHLHa46
Target/Specificity	Recognizes endogenous levels of MASH1 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

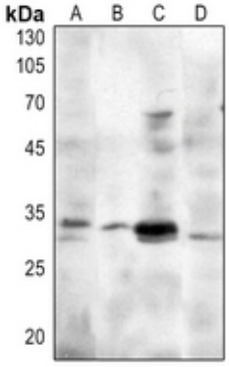
Name	ASCL1 (HGNC:738)
Function	Transcription factor that plays a key role in neuronal differentiation: acts as a pioneer transcription factor, accessing closed chromatin to allow other factors to bind and activate neural pathways. Directly binds the E box motif (5'-CANNTG-3') on promoters and promotes 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}.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MASH1. The exact sequence is proprietary.

Images



Western blot analysis of MASH1 expression in HEK293T (A), mouse lung (B), NIH3T3 (C), H9C2 (D) whole cell lysates.