

Rabbit ASCL1 Polyclonal Antibody | anti-ASCL1 antibody

ASCL1 (Achaete-scute homolog 1) Antibody (C-term D220)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290658	Rabbit	Human; Predicted Reactivity: Mouse, Rat, Zebrafish	ELISA, Western Blot

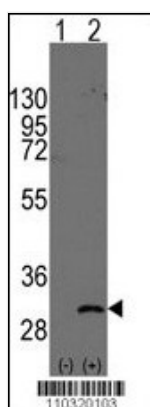
PRODUCT SYNONYMS

ASCL1; Polyclonal Antibody; ASCL1 (Achaete-scute homolog 1) Antibody (C-term D220); Achaete-scute homolog 1; ASH-1; hASH1; Class A basic helix-loop-helix protein 46; bHLHa46; ASH1; BHLHA46; HASH1; anti-ASCL1 antibody

PRODUCT SPECIFICATIONS

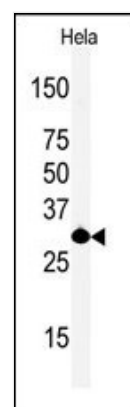
Host	Rabbit
Reactivity	Human; Predicted Reactivity: Mouse, Rat, Zebrafish
Clonality	Polyclonal
Isotype	Ig
Specificity	This ASCL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ASCL1.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	236
Applicable Applications for anti-ASCL1 antibody	ELISA, WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Nucleus.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



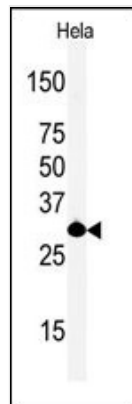
WB (Western Blot)

Western blot analysis of Ascl1 (arrow) using rabbit polyclonal Ascl1 Antibody (Human C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Ascl1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)

Western blot analysis of anti-Ascl1 Antibody (C-term D220) in HeLa cell line lysates (35ug/lane). Ascl1 (arrow) was detected using the purified Pab (1:160 dilution).



WB (Western Blot)

All lanes : Anti-Ascl1 (Human C-term) at 1:1000 dilution
 Lane 1: human brain lysate
 Lane 2: A549 whole cell lysate
 Lysates/proteins at 20 ug per lane.
 Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
 Predicted band size : 25 kDa
 Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ASCL1 antibody	Description: ACSL1, alternatively titled Hash1 or Mash1, is a member of the basic helix-loop-helix (BHLH) family of transcription factors. It activates transcription by binding to the E box (5'-CANNTG-3'). Dimerization with other BHLH proteins is required for efficient DNA binding. ACSL1 plays a role in the neuronal commitment and differentiation and in the generation of olfactory and autonomic neurons. The protein is highly expressed in medullary thyroid cancer and small cell lung cancer and may be a useful marker for these cancers. The presence of a CAG repeat in the gene suggests it may also play a role in tumor formation. Background: Transcription factor that controls transcriptional expression of its target genes by binding to the E box (5'-CANNTG- 3'). 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. 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. Essential for the generation of olfactory and autonomic neurons (By similarity).
Product Categories/Family for anti-ASCL1 antibody	Primary Antibodies ; Neuroscience
References	Sriuranpong, V., et al., Mol. Cell. Biol. 22 (9):3129-3139 (2002). Westerman, B.A., et al., Clin. Cancer Res. 8 (4):1082-1086 (2002). Chen, H., et al., Cell Growth Differ. 8 (6):677-686 (1997). Borges, M., et al., Nature 386 (6627):852-855 (1997). Renault, B., et al., Genomics 30 (1):81-83 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743094
NCBI GeneID	429
NCBI Accession #	NP_004307
NCBI GenBank Nucleotide #	NM_004316.3
UniProt Accession #	P50553 ; Q9BQ30 ; A8K3C4
Molecular Weight	25454 Da
NCBI Official Full Name	achaete-scute homolog 1
NCBI Official Synonym Full Names	achaete-scute family bHLH transcription factor 1
NCBI Official Symbol	ASCL1
NCBI Official Synonym Symbols	ASH1; HASH1; MASH1; bHLHa46
NCBI Protein Information	achaete-scute homolog 1

UniProt Protein Name	Achaete-scute homolog 1
UniProt Gene Name	ASCL1
UniProt Synonym Gene Names	ASH1; BHLHA46; HASH1; ASH-1; hASH1; bHLHa46
UniProt Entry Name	ASCL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ascl1-antibody-western-blot-elisa/290658>