

Rabbit ASCL1 Polyclonal Antibody | anti-ASCL1 antibody

ASCL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327496	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

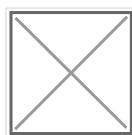
PRODUCT SYNONYMS

ASCL1; Polyclonal Antibody; ASCL1 Antibody; Achaete scute complex homolog 1; Achaete scute complex homolog like 1; Achaete scute complex homologue 1; Achaete scute complex homologue like 1; Achaete scute complex like 1; Achaete scute family bHLH transcription factor 1; Achaete scute protein; Achaete-scute homolog 1; Ascl 1; ascl1; ASCL1_HUMAN; Ash 1; ASH-1; Ash1; bHLHa46; Class A basic helix-loop-helix protein 46; Hash 1; HASH1; Mammalian achaete scute homolog 1; Mammalian achaete scute homologue 1; Mash 1; Mash1; anti-ASCL1 antibody

PRODUCT SPECIFICATIONS

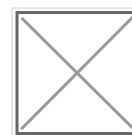
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ASCL1 antibody detects endogenous levels of total ASCL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	236
Applicable Applications for anti-ASCL1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ASCL1
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Bovine (92%), Sheep (92%), Rabbit (92%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327496 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of ASCL1 using RAW264.7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ASCL1 antibody	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. Subunit Structure: Efficient DNA binding requires dimerization with another bHLH protein. Forms a heterodimer with TCF3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55743094
NCBI GeneID	429
NCBI Accession #	NP_004307.2
NCBI GenBank Nucleotide #	NM_004316.3
UniProt Accession #	P50553; Q9BQ30; A8K3C4
Molecular Weight	Observed: 25 kDa Predicted: 26 kDa
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; BHLHA46ImportedManual assertion inferred from database entriesHGNC:738; HASH11 PublicationManual assertion based on opinion iniRef.1; bHLHa46ImportedManual assertion inferred from database entriesHGNC:738

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ascl1-antibody-immunohistochemistry-western-blot-elisa/327496>