



# ASCL1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01541
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ASCL1
<b>Protein Name</b>	Achaete-scute homolog 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ASCL1. AA range:109-158
<b>Specificity</b>	ASCL1 Polyclonal Antibody detects endogenous levels of ASCL1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ASCL1; ASH1; BHLHA46; HASH1; Achaete-scute homolog 1; ASH-1; hASH1; Class A basic helix-loop-helix protein 46; bHLHa46
<b>Observed Band</b>	25kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Lung,Thyroid carcinoma,
<b>Function</b>	function:May play 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. Activates transcription by binding to the E box (5'-CANNTG-3').,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Forms a heterodimer with TCF3.,
<b>Background</b>	achaete-scute family bHLH transcription factor 1(ASCL1) Homo sapiens 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'&#x2013;CANNTG-3&#x2013;). 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. [provided by RefSeq, Jul 2008],



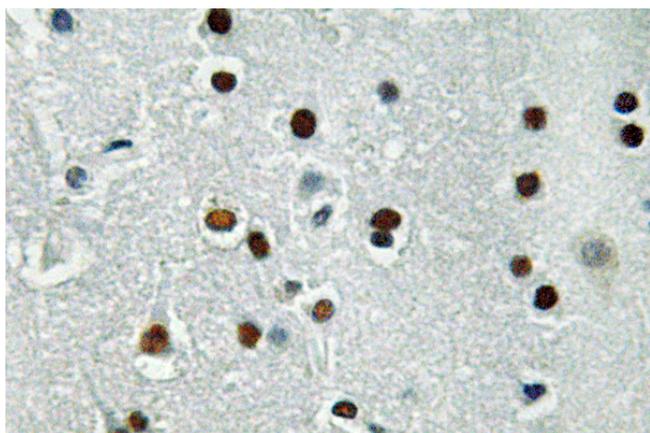
**matters needing attention**

Avoid repeated freezing and thawing!

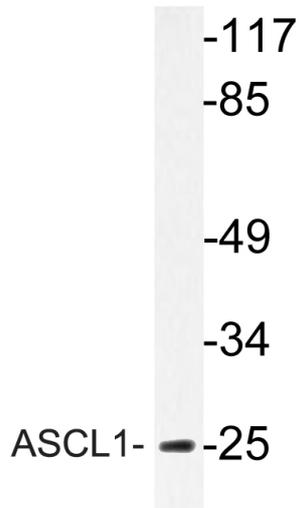
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemistry analysis of ASCL1 antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from Jurkat cells, using ASCL1 antibody.