

## ASCL1 Polyclonal Antibody

Cat #: ABP57823

Size: 30µl /100µl /200µl

### Product Information

	<b>Product Name:</b> ASCL1 Polyclonal Antibody		
	<b>Applications:</b> IHC-P, ELISA		<b>Isotype:</b> Rabbit IgG
	<b>Reactivity:</b> Human, Mouse, Rat		
<b>REF</b>	<b>Catalog Number:</b> ABP57823	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** ASCL1 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'-CANNTG-3'). 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 ASCL1 may contribute to the congenital central hypoventilation syndrome (CCHS) phenotype in rare cases. ASCL1 (Achaete-Scute Family BHLH Transcription Factor 1) is a Protein Coding gene. Diseases associated with ASCL1 include Central Hypoventilation Syndrome, Congenital and Differentiating Neuroblastoma. Among its related pathways are Dopaminergic Neurogenesis and Notch-mediated HES/HEY network.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:50-1:200), ELISA (1:10000-1:20000).

**Storage Buffer:** PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol as stabilizer.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

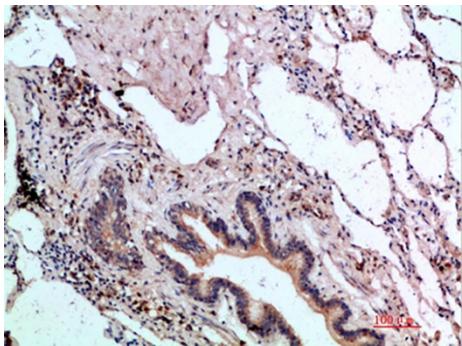


Fig.1. Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:200.

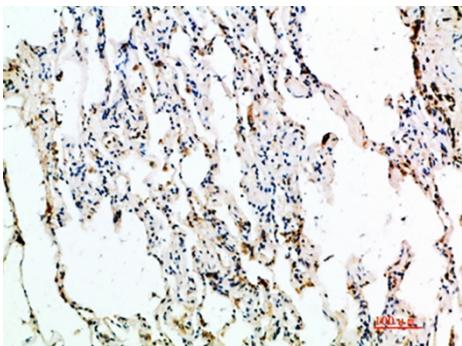


Fig.2. Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:200.

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