

For Research Use Only

ASCL1 Polyclonal antibody

Catalog Number: 23751-1-AP

2 Publications



Basic Information

Catalog Number: 23751-1-AP	GenBank Accession Number: BC003134	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 429	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P50553	
Isotype: IgG	Full Name: achaete-scute complex homolog 1 (Drosophila)	
Immunogen Catalog Number: AG19360	Calculated MW: 25 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: IHC	WB : Y79 cells,
Species Specificity: human	IHC : human brain tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

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'-CANNTG-3'). Dimerization with other BHLH proteins is required for efficient DNA binding. This protein plays a role in 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhuchen Yu	39571251	Lung Cancer	IHC
Zhe Cai	38615507	Pathol Res Pract	IHC

Storage

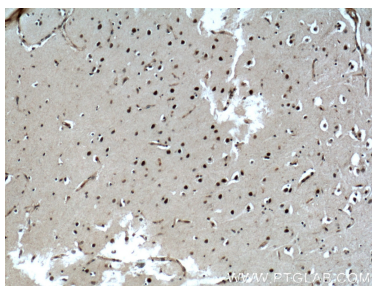
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

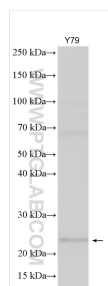
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 23751-1-AP (ASCL1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 23751-1-AP (ASCL1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.