

For Research Use Only

ASCL1 Polyclonal antibody

Catalog Number: 23751-1-AP

2 Publications



Basic Information

Catalog Number:

23751-1-AP

Concentration:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19360

GenBank Accession Number:

BC003134

GeneID (NCBI):

429

UNIPROT ID:

P50553

Full Name:

achaete-scute complex homolog 1
(Drosophila)

Calculated MW:

25 kDa

Observed MW:

25 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : Y79 cells,

IHC : human brain tissue,

**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

For technical support and original validation data for this product please contact:

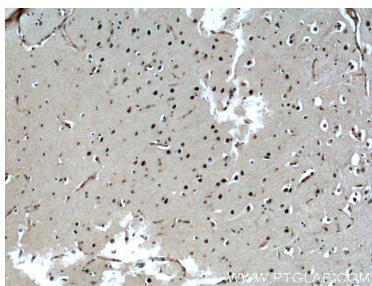
T: 4006900926

E: Proteintech-CN@ptglab.com

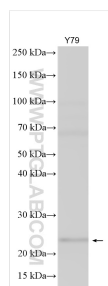
W: ptgcn.com

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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.