

For Research Use Only

# ASCL2 Polyclonal antibody

Catalog Number: 21368-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 21368-1-AP	<b>GenBank Accession Number:</b> BC057801	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 430	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99929	
<b>Isotype:</b> IgG	<b>Full Name:</b> achaete-scute complex homolog 2 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG15839	<b>Calculated MW:</b> 193 aa, 20 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> MKN-45 cells, Caco-2 cells
<b>Species Specificity:</b> human	<b>IHC :</b> human stomach cancer tissue,
<b>Cited Species:</b> 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

Achaete-scute complex homolog 2 (Drosophila), also known as ASCL2, is an imprinted human gene. This gene is involved in the determination of the neuronal precursors in the peripheral nervous system and the central nervous system, particularly important during implantation of the developing embryo, specifically in placental development and neuronal precursor determination. ASCL2 has been reported involved in tumor progression, being upregulated in colorectal tumors, and involvement in metastasis could be attributed to ASCL2-promoted cellular self-renewal as opposed to cellular differentiation (PMID: 30096149 16568095).

## Notable Publications

Author	Pubmed ID	Journal	Application
Sihua Lan	38955307	Gene	WB

## Storage

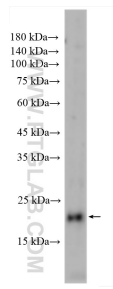
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1%BSA

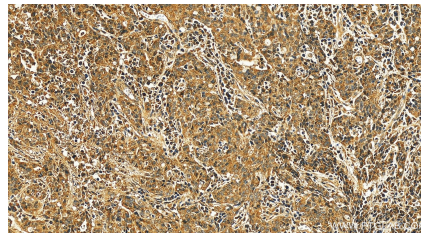
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## Selected Validation Data



MKN-45 cells were subjected to SDS PAGE followed by western blot with 21368-1-AP (ASCL2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21368-1-AP (ASCL2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).