

For Research Use Only

SCRT1 Polyclonal antibody

Catalog Number: 31577-1-AP



Basic Information

Catalog Number: 31577-1-AP	GenBank Accession Number: BC168377	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 750 ug/ml by Nanodrop;	GeneID (NCBI): 83482	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9BWW7	
Isotype: IgG	Full Name: scratch homolog 1, zinc finger protein (Drosophila)	
Immunogen Catalog Number: AG36215	Observed MW: 36 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : TT cells, mouse brain tissue
Species Specificity: human, mouse	

Background Information

SCRT1 (Transcriptional repressor scratch 1), which is expressed in many tissues, especially in brain and adrenal gland. In addition, SCRT1 is also expressed in islet β cells, and its expression is related to insulin secretion ability. SCRT1 is a C2H2 zinc finger transcription inhibitor, which can bind to E-box motif. The encoded protein may promote nerve differentiation and may be related to cancer with neuroendocrine characteristics. The functions of SCRT1 in islet β cells include regulating the expression and secretion of insulin and influencing the proliferation of β cells. SCRT1 may control calcineurin /NFAT signaling pathway by affecting the expression of Syt4, Notch1, Nfatc1 and Nfatc2 genes, which is an important regulator of the growth and function of β cells (PMID: 33309639). The molecular weight of SCRT1 is 36 kDa.

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

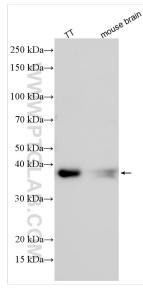
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31577-1-AP (SCRT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.