

For Research Use Only

Pikachurin Polyclonal antibody

Catalog Number: 14578-1-AP **1 Publications**



Basic Information

Catalog Number: 14578-1-AP	GenBank Accession Number: BC033177	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 133584	Recommended Dilutions: WB 1:500-1:2000 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: Q63HQ2	
Isotype: IgG	Full Name: EGF-like, fibronectin type III and laminin G domains	
Immunogen Catalog Number: AG5986	Calculated MW: 111 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : human placenta tissue, PC-3 cells, SH-SY5Y cells IF : SH-SY5Y cells,
Cited Applications: IF	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

Pikachurin, also known as EGFLAM or FLJ39155, is an extracellular matrix-like retinal protein that has been found to localize in the synaptic cleft of the photoreceptor ribbon synapse (PMID: 18641643). Pikachurin is a dystroglycan-interacting protein and has an essential role in photoreceptor ribbon synapse formation. Pikachurin is a 1017-amino-acid protein with a calculated molecular weight of 111 kDa and high mRNA abundance in retina. This antibody detects a 60-kDa band, which has been reported and likely represents a fragment resulting from cleavage of Pikachurin (PMID: 23226524).

Notable Publications

Author	Pubmed ID	Journal	Application
Chen Liang	32178579	Stem Cells Dev	IF

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:

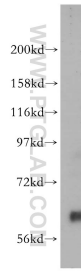
T: 4006900926

E: Proteintech-CN@ptglab.com

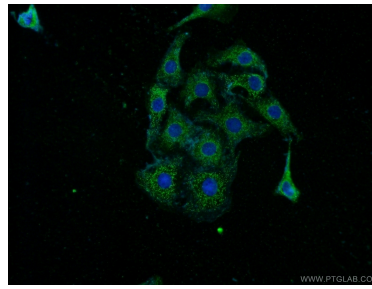
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Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 14578-1-AP (Pikachurin antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of SH-SY5Y cells using 14578-1-AP (Pikachurin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).