

For Research Use Only

APJ Polyclonal antibody

Catalog Number: 20341-1-AP

Featured Product

30 Publications



Basic Information

Catalog Number:

20341-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14138

GenBank Accession Number:

BC032688

GeneID (NCBI):

187

UNIPROT ID:

P35414

Full Name:

apelin receptor

Calculated MW:

380 aa, 43 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

FC, WB, ELISA

Cited Applications:

WB, IHC, IF, FC

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

Positive Controls:

WB : SH-SY5Y cells,

Background Information

APJ, also named APLNR and AGTRL1, belongs to the G-protein coupled receptor 1 family. It is a receptor for apelin coupled to G proteins that inhibit adenylate cyclase activity. APJ is an alternative coreceptor with CD4 for HIV-1 infection. It may be involved in the development of AIDS dementia. APJ is expressed abundantly in the corpus callosum and spinal cord.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Chen	36224027	Front Biosci (Landmark Ed)	WB
Qianyi Chen	36243122	J Invest Dermatol	IF, IHC, WB
Ke Song	36443325	Nat Commun	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

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

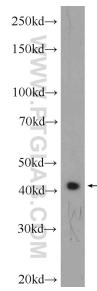
T: 4006900926

E: Proteintech-CN@ptglab.com

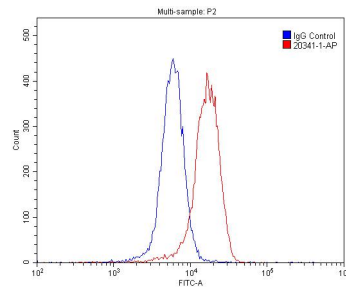
W: ptgcn.com

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Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 20341-1-AP (APJ) antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



1×10^6 SH-SY5Y cells were stained with 0.2ug APJ antibody (20341-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.