

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, IF, FC, IHC

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:

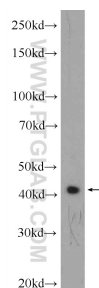
T: 4006900926

E: Proteintech-CN@ptglab.com

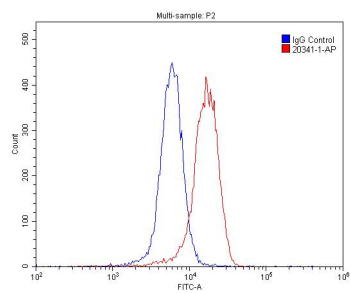
W: ptgcn.com

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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.



1X10⁶ 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.