

For Research Use Only

# APJ Polyclonal antibody

Catalog Number: 20341-1-AP

15 Publications



## Basic Information

<b>Catalog Number:</b> 20341-1-AP	<b>GenBank Accession Number:</b> BC032688	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 407 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 187	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> apelin receptor	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 380 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG14138	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB : SH-SY5Y cells,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse, rat	

## Background Information

APJ, also named as 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
Lele Geng	31831282	J Dermatol Sci	WB
Yafei Yuan	35386222	J Inflamm Res	WB,IF
Zhao-Shun Yuan	26142632	Amino Acids	WB,IHC

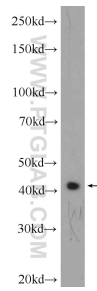
## Storage

**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

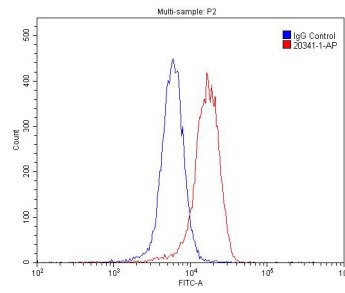
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## Selected Validation Data



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.



$1 \times 10^6$  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.