

For Research Use Only

# ADRA1A-Specific Polyclonal antibody

Catalog Number:19777-1-AP

Featured Product

6 Publications



## Basic Information

Catalog Number:

19777-1-AP

Size:

260 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000680

GeneID (NCBI):

148

UNIPROT ID:

P35348

Full Name:

adrenergic, alpha-1A-, receptor

Calculated MW:

51 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse heart tissue, HeLa cells, mouse brain tissue

## Background Information

ADRA1A, also named as ADRA1C, belongs to the G-protein coupled receptor 1 family. ADRA1A mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. The antibody is specific to ADRA1A.

## Notable Publications

Author	Pubmed ID	Journal	Application
Miles Frost	32971843	Pharmaceuticals (Basel)	IHC,IF
Jun-Jie Wang	26545627	Vascul Pharmacol	WB
Miaomiao Zhu	35252820	iScience	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:

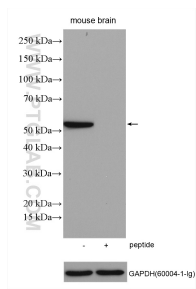
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

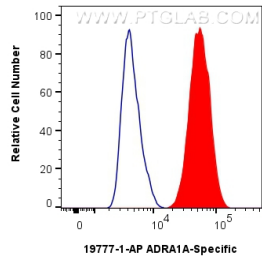
W: [ptgcn.com](http://ptgcn.com)

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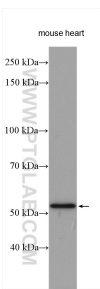
Selected Validation Data



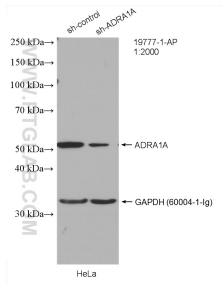
mouse brain tissue lysates were subjected to SDS PAGE followed by western blot with 19777-1-AP (ADRA1A-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours without or with blocking peptide (1.4 ug peptide was used to block the binding of 1.0 ug antibody).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug ADRA1A-Specific Polyclonal antibody (19777-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



mouse heart tissue were subjected to SDS PAGE followed by western blot with 19777-1-AP (ADRA1A-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of ADRA1A-Specific antibody (19777-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ADRA1A-Specific transfected HeLa cells.