ADRA1A-Specific Polyclonal ANTIBODY

Catalog Number: 19777-1-AP

Basic Information

Catalog Number: 19777-1-AP

Size: 31 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

Immunogen Catalog Number:

GeneBank Accession Number: NM_000680
GenetID (NCBI): 148
Full Name: adrenergic, alpha-1A, receptor

Calculated MW: 51 kDa
Observed MW: 52 kDa

Recommended Dilutions: WB 1:500-1:1000

Applications

Tested Applications: FC, WB, ELISA
Cited Applications: WB
Species Specificity: human, mouse, rat
Cited Species: human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse heart tissue; 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

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<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
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<tr>
<td>Jun-Jie Wang</td>
<td>26549527</td>
<td>Vascul Pharmacol</td>
<td>WB</td>
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</tbody>
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Storage

Storage: Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.

For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
W: ptglab.com

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mouse heart tissue were subjected to SDS-PAGE followed by western blot with 19777-1-AP (ADRA1A-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

109976 HepG2 cells were stained with 0.2μg ADRA1A-Specific antibody (19777-1-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.