

Datasheet for ABIN7042896

## anti-ADRA1D antibody (3rd Extracellular Loop, Cys240)



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### 5 Images

#### Overview

Quantity:	50 µL
Target:	ADRA1D
Binding Specificity:	3rd Extracellular Loop, AA 231-245, Cys240
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA1D antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EPVPPDERF*SGITEE, corresponding to amino acid residues 231-245 of rat alpha1D-adrenoceptor with replacement of cysteine 240 (C240) with serine (*S)
Isotype:	IgG
Characteristics:	Anti-alpha1D-Adrenergic Receptor (extracellular) Antibody is directed against an extracellular epitope of the rat α1D-adrenergic receptor. Anti-α1D-Adrenergic Receptor (extracellular) Antibody (ABIN7042896, ABIN7043916 and ABIN7043917)) can be used in western blot, indirect flow cytometry and immunohistochemical applications. It has been designed to recognize α1D-adrenoceptor from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

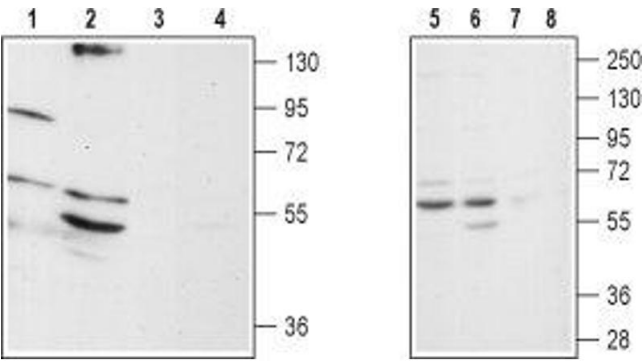
Target:	ADRA1D
Alternative Name:	alpha1D-Adrenergic Receptor ( <a href="#">ADRA1D Products</a> )
Background:	Alternative names: alpha1D-Adrenergic Receptor, Alpha-1D adrenoceptor, Alpha-1D adrenoreceptor, ADRA1D
Gene ID:	29413
NCBI Accession:	<a href="#">NM_000678</a>
UniProt:	<a href="#">P23944</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

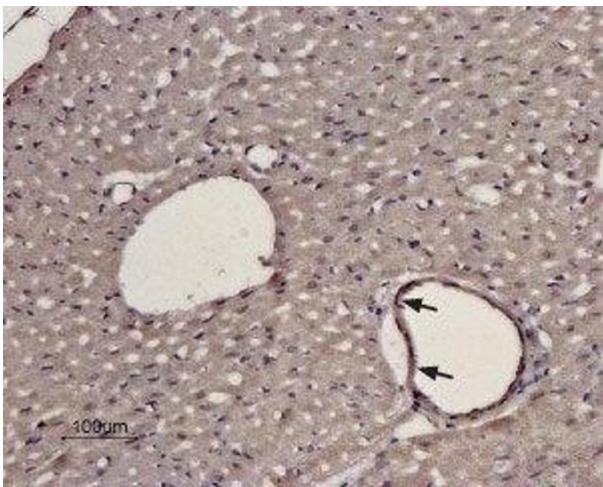
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



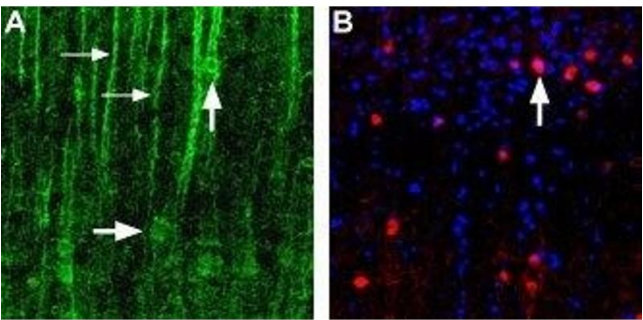
### Western Blotting

**Image 1.** Western blot analysis of rat brain stem (lanes 1 and 3), mouse brain (lanes 2 and 4), SH-SY5Y (lanes 5 and 7) and Jurkat (lanes 6 and 8) lysates: - 1,2,5,6. Anti- $\alpha$ 1D-Adrenergic Receptor (extracellular) Antibody (ABIN7042896, ABIN7043916 and ABIN7043917), (1:200).3,4,7,8. Anti- $\alpha$ 1D-Adrenergic Receptor (extracellular) Antibody, preincubated with  $\alpha$ 1D-Adrenergic Receptor (extracellular) Blocking Peptide (#BLP-AR019).



### Immunohistochemistry

**Image 2.** Expression of  $\alpha$ 1D-Adrenoceptor in rat heart - Immunohistochemical staining of rat heart paraffin embedded sections using Anti- $\alpha$ 1D-Adrenergic Receptor (extracellular) Antibody (ABIN7042896, ABIN7043916 and ABIN7043917), (1:100).  $\alpha$ 1D-Adrenoceptor is expressed in cardiomyocytes of the myocardium and in the smooth muscle of the blood vessels (arrows). Hematoxylin is used as the counterstain.



### Immunohistochemistry

**Image 3.** Expression of  $\alpha$ 1D-Adrenoceptor in rat neocortex - Immunohistochemical staining of  $\alpha$ 1D-adrenoceptor in rat neocortex using Anti- $\alpha$ 1D-Adrenergic Receptor (extracellular) Antibody (ABIN7042896, ABIN7043916 and ABIN7043917). A. Most intense staining of  $\alpha$ 1D-adrenoceptor (green) appears in apical dendrites (thin horizontal arrows) but also in the soma (thick horizontal arrow). Few cortical interneurons express  $\alpha$ 1D-adrenoceptor. B. The same section was also stained for parvalbumin and one cell (marked with a vertical arrow) also expresses  $\alpha$ 1D-adrenoceptor.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7042896.