

## Anti-ADRA1A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

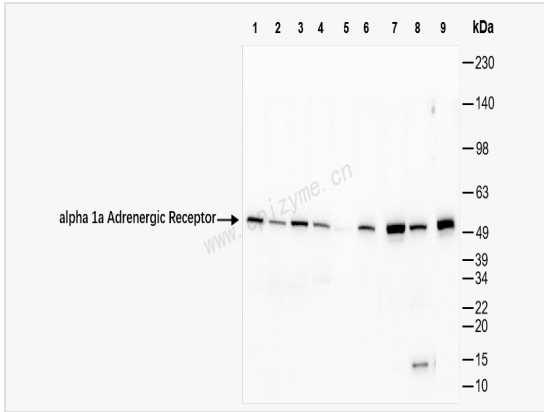
Catalog # R011331

### Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	53L84L63
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human alpha 1a Adrenergic Receptor
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ADRA1A Rabbit mAb [53L84L63] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	ADA1A_HUMAN; ADRA1A; Adra1c; ADRA1L1; Adrenergic alpha1A receptor; Adrenergic alpha1C receptor; Adrenergic receptor alpha 1a; Adrenergic receptor alpha 1c; Adrenergic, alpha 1A , receptor variant 1; Adrenergic, alpha 1A , receptor variant 11; Adrenergic, alpha 1A , receptor variant 3; Adrenergic, alpha 1A , receptor variant 5; Adrenergic, alpha 1A , receptor variant 8; Adrenoceptor alpha 1A; Alpha 1A adrenoceptor; Alpha 1C adrenergic receptor; Alpha adrenergic receptor 1c; Alpha-1A adrenergic receptor; Alpha-1A adrenoceptor; Alpha-1A adrenoceptor; Alpha-1C adrenergic receptor; Alpha-adrenergic receptor 1c; Alpha1A adrenergic receptor; ALPHA1AAR; G protein coupled receptor.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 52 kDa
Uniprot ID	P35348
Gene ID	148
Background	Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties. [provided by RefSeq, Jul 2008]
Cellular Location	Cell membrane.
Tissue Location	Expressed in heart, brain, liver and prostate, but not in kidney, lung, adrenal, aorta and pituitary. Within the prostate, expressed



Western Blot - Anti-ADRA1A Rabbit mAb [53L84L63]

All lanes: R011331 at 1:3,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: Mouse brain whole tissue lysates

Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 9: Rat brain whole tissue lysates

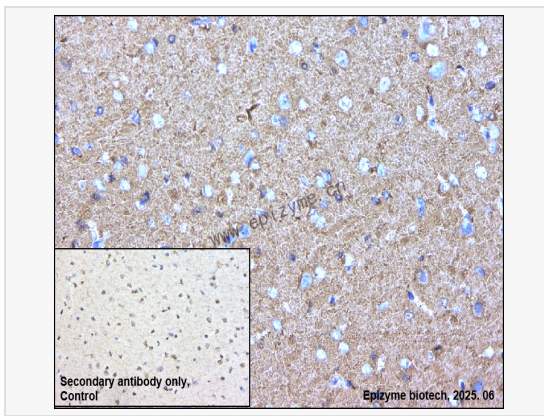
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-ADRA1A Rabbit mAb [53L84L63]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011331 at 1:200 dilution

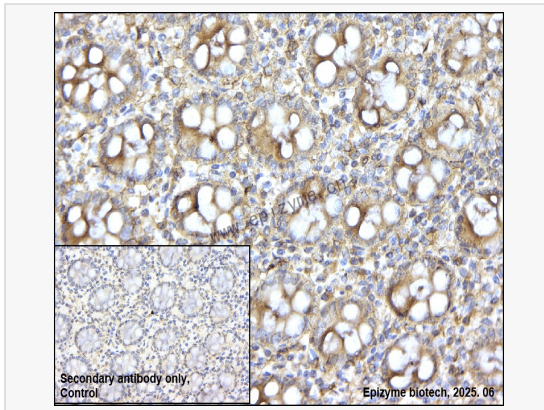
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-ADRA1A Rabbit mAb [53L84L63]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011331 at 1:200 dilution

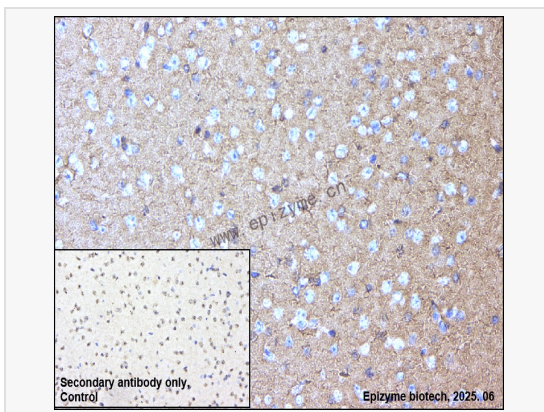
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-ADRA1A Rabbit mAb [53L84L63]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011331 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.