

Recombinant**DGRmAb®****alpha 1a Adrenergic Receptor (DGR12139) Rabbit mAb (PBS Only)****db12890-PBS****Package : 100µg****Product Name :** alpha 1a Adrenergic Receptor (DGR12139) Rabbit mAb (PBS Only)**Cat.No.:** db12890-PBS**Synonyms :** ADRA1C; ADRA1L1; ALPHA1AAR**Application :** WB, ICC/IF, FC**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**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]

Immunogen

A synthetic peptide of human alpha 1a Adrenergic Receptor

Gene ID

148

Swiss Prot

P35348

Synonyms

ADRA1C; ADRA1L1; ALPHA1AAR

Reactivity

Human,Mouse,Rat

Application

WB, ICC/IF, FC

Calculated MW

52 kDa

Observed MW

52 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR12139

Isotype

IgG

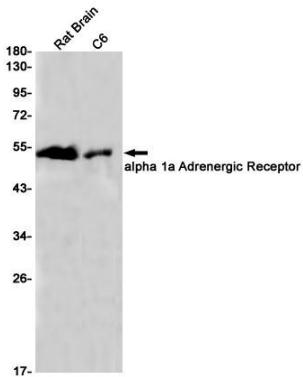
Purity

Affinity Purification

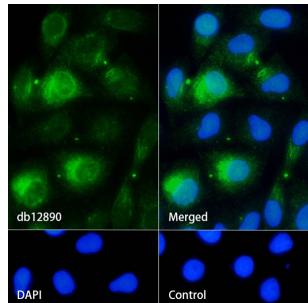
Conjugation

Un-conjugated

Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of alpha 1a Adrenergic Receptor in Rat Brain, C6 cell lysates using alpha 1a Adrenergic Receptor antibody (1:1000 diluted).



Immunofluorescence analysis of HepG2 cells labelling alpha 1a Adrenergic Receptor with db12890.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12890 (1:200) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.