

Recombinant

DGRmAb®

alpha 1a Adrenergic Receptor (DGR12139) Rabbit mAb

db12890

Package : 10µL 20µL 50µL 100µL

Product Name : alpha 1a Adrenergic Receptor (DGR12139) Rabbit mAb**Cat.No.:** db12890**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

Recommended dilution

WB: 1:1000-1:5000

ICC/IF: 1:200-1:500

FC: 1:100-1:1000

Calculated MW

52 kDa

Observed MW

52 kDa

Host species

Rabbit

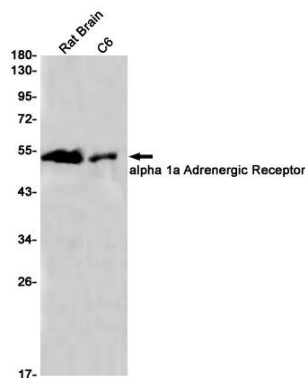
Clonality

Monoclonal

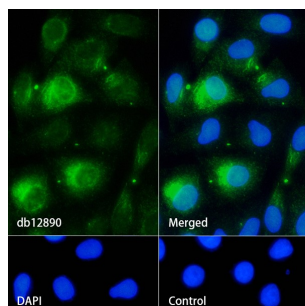
Clonality No.

DGR12139

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. 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 temprature 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.