

## ADRB2 Antibody

Catalog No: #31142



Package Size: #31142-1 50ul #31142-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	ADRB2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total ADRB2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 21-33 amino acids of Human adrenoceptor beta 2, surface
Target Name	ADRB2
Other Names	Adrenoceptor beta 2, surface, BAR, B2AR, ADRBR, ADRB2R, BETA2AR
Accession No.	Genbank No.: NP_000015
Formulation	Supplied at 0.7mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

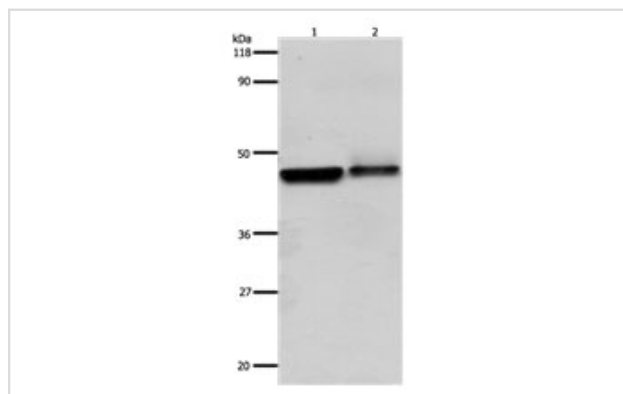
Predicted MW: 46kd

ELISA: 1:1000-1:2000

Western blotting: 1:1000-1:2000

Immunohistochemistry: 1:15-1:50

## Images



Gel: 10%SDS-PAGE

Lane1: Hela cell lysate

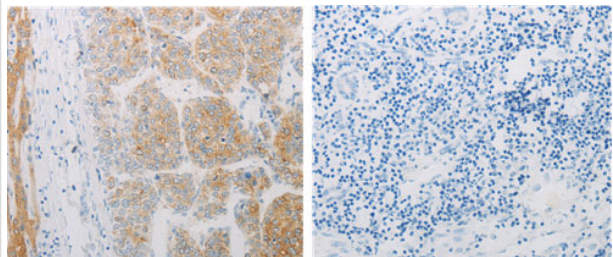
Lane2: A549 cell lysate

Lysates: 30ug per lane

Primary antibody: 1/600 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at 1/10000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded human liver cancer tissue using 31142(ADRB2 Antibody) at dilution 1/20, on the right is treated with the synthetic peptide.

## Background

This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes.?

## Published Papers

el at., Aerobic Exercise Inhibits Sympathetic Nerve Sprouting and Restores  $\epsilon$ -Y-Adrenergic Receptor Balance in Rats with Myocardial Infarction.In PLoS One.On 2014 by Ting Chen,Meng-Xin Cai et al..PMID:24842290, , (2014)

[PMID:24842290](#)

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.