

Datasheet for ABIN7267335  
**anti-GALR2 antibody (AA 50-150)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	GALR2
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALR2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	GALR2 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human GALR2 (NP_003848.1).
Sequence:	LLRGGQAVST TNLFILNLGV ADLCFILCCV PFQATIYTLD GWVFGSLLCK AVHFLIFLTM HASSFTLAAV SLDRYLAIKY PLHSREL RTP RNALAAIGLI W
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

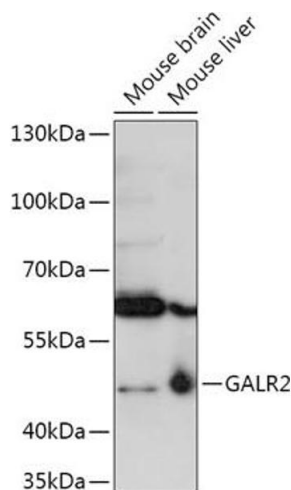
Target:	GALR2
Alternative Name:	GALR2 ( <a href="#">GALR2 Products</a> )
Background:	<p>Galanin is an important neuromodulator present in the brain, gastrointestinal system, and hypothalamopituitary axis. It is a 30-amino acid non-C-terminally amidated peptide that potently stimulates growth hormone secretion, inhibits cardiac vagal slowing of heart rate, abolishes sinus arrhythmia, and inhibits postprandial gastrointestinal motility. The actions of galanin are mediated through interaction with specific membrane receptors that are members of the 7-transmembrane family of G protein-coupled receptors. GALR2 interacts with the N-terminal residues of the galanin peptide. The primary signaling mechanism for GALR2 is through the phospholipase C/protein kinase C pathway (via Gq), in contrast to GALR1, which communicates its intracellular signal by inhibition of adenylyl cyclase through Gi. However, it has been demonstrated that GALR2 couples efficiently to both the Gq and Gi proteins to simultaneously activate 2 independent signal transduction pathways. [provided by RefSeq, Jul 2008],GAL2-R,GALNR2,GALR-2,GALR2,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Endocrine &amp; Metabolism,Neuroscience,GALR2</p>
Gene ID:	8811
UniProt:	<a href="#">O43603</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Feeding Behaviour</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using G antibody (ABIN7267335) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 2 min.