

For Research Use Only

# GALR2 Polyclonal antibody

Catalog Number: 29909-1-AP



## Basic Information

<b>Catalog Number:</b> 29909-1-AP	<b>GenBank Accession Number:</b> NM_003857	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 8811	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43603	
<b>Isotype:</b> IgG	<b>Full Name:</b> galanin receptor 2	
<b>Immunogen Catalog Number:</b> AG31762	<b>Calculated MW:</b> 42KD	
	<b>Observed MW:</b> 42-50 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, SMMC-7721 cells IHC : human pancreas cancer tissue,
<b>Species Specificity:</b> Human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Galanin receptor type 2 (GALR2) is a receptor for galanin, GALP, and the hormone SPX1 (PMID:24517231). It is an important neuromodulator present in the brain, gastrointestinal system, and hypothalamo-pituitary axis. Activation of the GALR2 may protect the hippocampus from neuronal damage (PMID: 17263796). 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 activity of this receptor is mediated by G proteins that activate the phospholipase C/protein kinase C pathway (via G(q)) and that inhibits adenylyl cyclase. GALR2 has a calculated molecular weight of 42 kDa.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

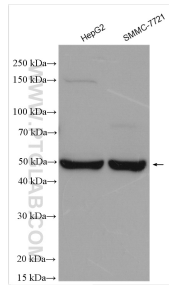
T: 4006900926

E: Proteintech-CN@ptglab.com

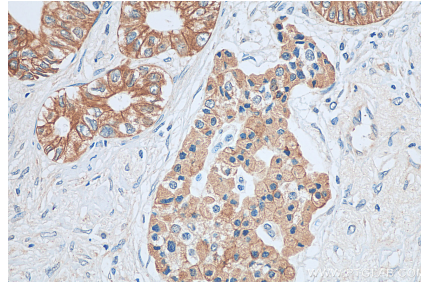
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

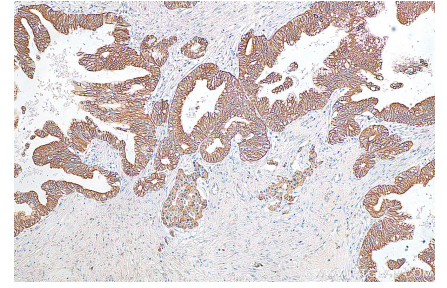
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29909-1-AP (GALR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 29909-1-AP (GALR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 29909-1-AP (GALR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).