

For Research Use Only

Beta Arrestin 1 Polyclonal antibody

Catalog Number: 15361-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

15361-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7608

GenBank Accession Number:

BC003636

GeneID (NCBI):

408

UNIPROT ID:

P49407

Full Name:

arrestin, beta 1

Calculated MW:

47 kDa

Observed MW:

47-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293 cells, A549 cells, U-937 cells, rat lung tissue, mouse lung tissue, RAW 264.7 cells

IP: mouse lung tissue,

IHC: human tonsillitis tissue, mouse spleen tissue, mouse cerebellum tissue, mouse brain tissue

Background Information

β-Arrestins (ARRBs), the best known regulators of G protein-coupled receptor signaling, are versatile and multifunctional adapter proteins that regulate diverse cellular functions, including cell growth, apoptosis and immune responses. Overexpression of beta Arrestin 1 has been found in various cancers, indicating it as a potential therapeutic target for cancer treatment. Recently expression of ARRB1 in saliva has been identified as a candidate circadian biomarker. ARRB1 migrated as a doublet of two bands of 45 and 55 kDa (PMID:28947386).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing-Yu Lin	34480896	J Biol Chem	WB
Kraemer Anne A	24147004	PLoS One	WB
Mahan Si	36210463	Cell Biosci	WB,IF

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:

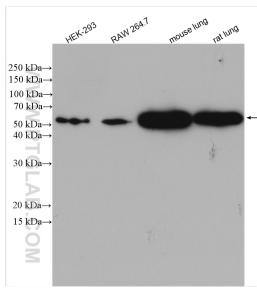
T: 4006900926

E: Proteintech-CN@ptglab.com

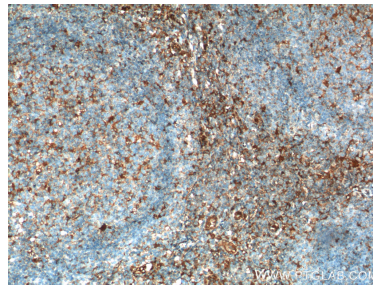
W: ptgcn.com

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

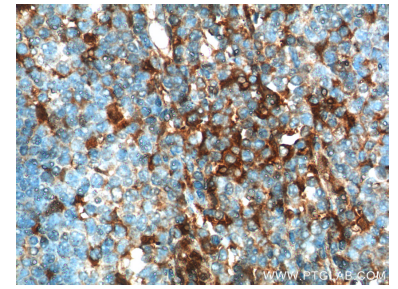
Selected Validation Data



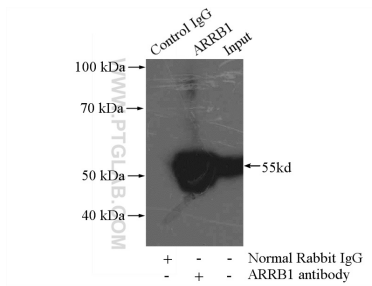
Various lysates were subjected to SDS PAGE followed by western blot with 15361-1-AP (Beta Arrestin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15361-1-AP (beta Arrestin 1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15361-1-AP (beta Arrestin 1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Beta Arrestin 1 (IP:15361-1-AP, 4ug; Detection:15361-1-AP 1:500) with mouse lung tissue lysate 4000ug.