

For Research Use Only

# Beta Arrestin 1 Polyclonal antibody

Catalog Number: 15361-1-AP

Featured Product

15 Publications



## Basic Information

**Catalog Number:**

15361-1-AP

**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 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP, CoIP, ChIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**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, 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

$\beta$ -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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

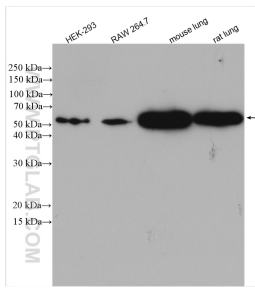
T: 4006900926

E: Proteintech-CN@ptglab.com

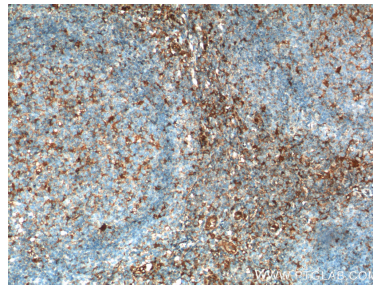
W: ptgcn.com

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

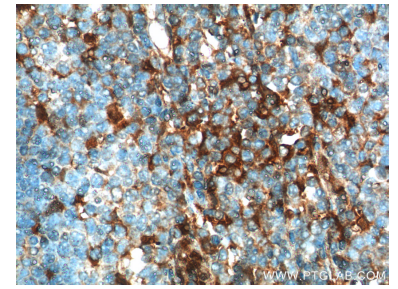
## Selected Validation Data



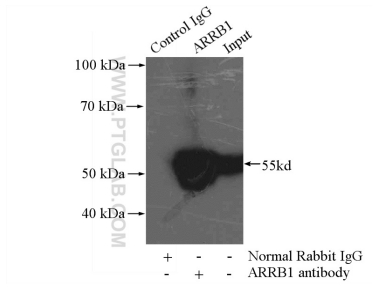
Various lysates were subjected to SDS PAGE followed by western blot with 15361-1-AP (Beta Arrestin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



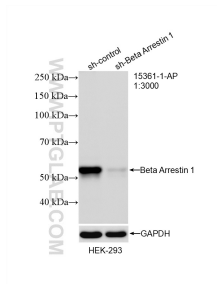
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15361-1-AP (beta Arrestin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



WB result of Beta Arrestin 1 antibody (15361-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Beta Arrestin 1 transfected HEK-293 cells.