

For Research Use Only

Beta Arrestin 1 Polyclonal antibody

Catalog Number: 15361-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

15361-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

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, IP, IHC, ELISA

Cited Applications:

WB, IP, IF, CoIP, ChIP

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

*** 20ul sizes contain 0.1% BSA

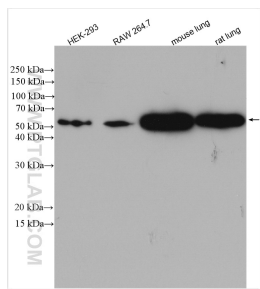
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

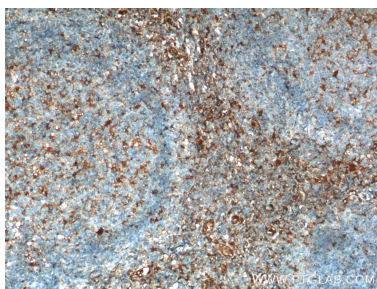
E: proteintech@ptglab.com
W: ptglab.com

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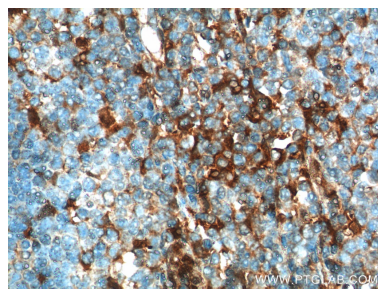
Selected Validation Data



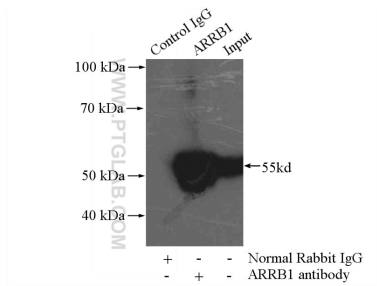
Various lysates were subjected to SDS PAGE followed by western blot with 15361-1-AP (Beta Arrestin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.