

For Research Use Only

# Beta Arrestin 1 Monoclonal antibody

Catalog Number: 67580-1-Ig

Featured Product



## Basic Information

Catalog Number:

67580-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7504

GenBank Accession Number:

BC003636

GeneID (NCBI):

408

UNIPROT ID:

P49407

Full Name:

arrestin, beta 1

Calculated MW:

47 kDa

Observed MW:

45-55 kDa

Purification Method:

Protein A purification

CloneNo.:

1H8E4

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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** : HepG2 cells, HeLa cells, NIH/3T3 cells, human peripheral blood platelets, K-562 cells, Jurkat cells, HSC-T6 cells

**IHC** : 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).

## 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:

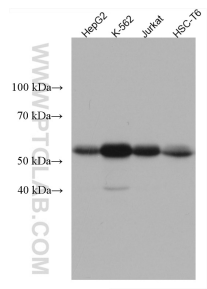
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

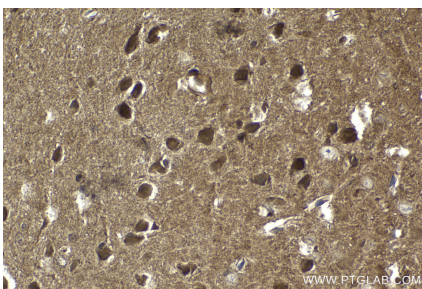
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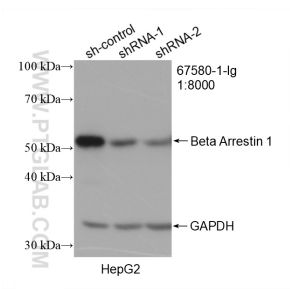
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67580-1-Ig (Arrestin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67580-1-Ig (Beta Arrestin 1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Beta Arrestin 1 antibody (67580-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Beta Arrestin 1 transfected HepG2 cells.