

For Research Use Only

Beta Arrestin 2 Polyclonal antibody

Catalog Number: 10171-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

10171-1-AP

Concentration:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0227

GenBank Accession Number:

BC007427

GeneID (NCBI):

409

UNIPROT ID:

P32121

Full Name:

arrestin, beta 2

Calculated MW:

46 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, hamster, xenopus

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 : mouse brain tissue, RAW264.7, PC-12 cells, rat brain tissue

IHC : human tonsil tissue, human malignant melanoma tissue, human colon cancer tissue, human spleen tissue

IF/ICC : HeLa cells, mouse Retina tissue

Background Information

Beta Arrestin 2 is a member of arrestin/beta-arrestin protein family, which are expressed at high levels in the central nervous system (CNS) and play a critical role in the regulation of G-protein coupled receptors (GPCRs) including MOR. Beta Arrestin 2 is an adaptor protein that is important for the regulation of receptors belonging to both dopaminergic and opioid systems. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors.

Notable Publications

Author	Pubmed ID	Journal	Application
Tian-Tian Wei	32948825	Acta Pharmacol Sin	IF
Jing-Yu Lin	34480896	J Biol Chem	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:

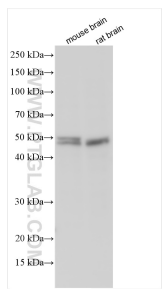
T: 4006900926

E: Proteintech-CN@ptglab.com

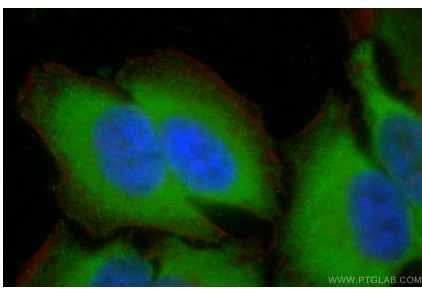
W: ptgcn.com

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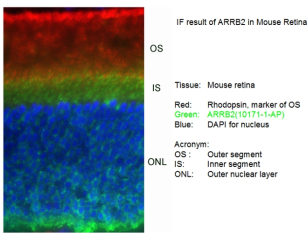
Selected Validation Data



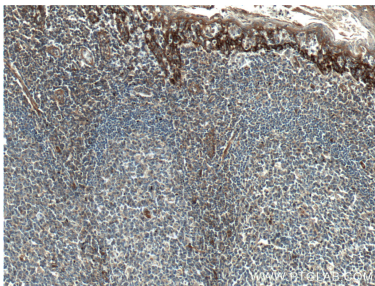
Various lysates were subjected to SDS PAGE followed by western blot with 10171-1-AP (Beta Arrestin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



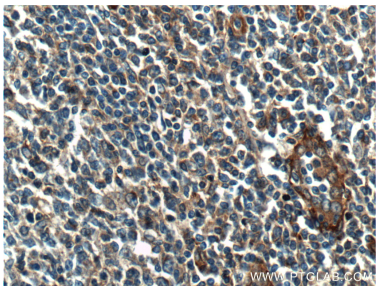
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Beta Arrestin 2 antibody (10171-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IF result of anti-ARRB2 (10171-1-AP) in Mouse Retina by Dr. Seongjin Seo. IS (Inner segment) Stain.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue slide using 10171-1-AP (Beta Arrestin 2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsil tissue slide using 10171-1-AP (Beta Arrestin 2 antibody) at dilution of 1:200 (under 40x lens).