

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

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

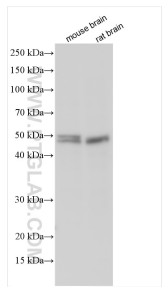
For technical support and original validation data for this product please contact:

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

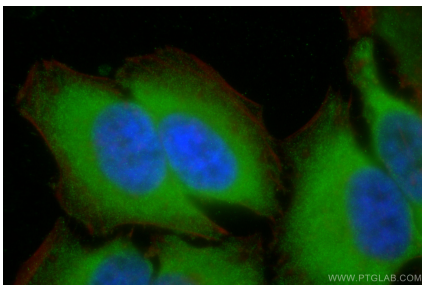
E: proteintech@ptglab.com
W: ptglab.com

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

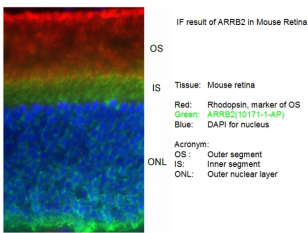
Selected Validation Data



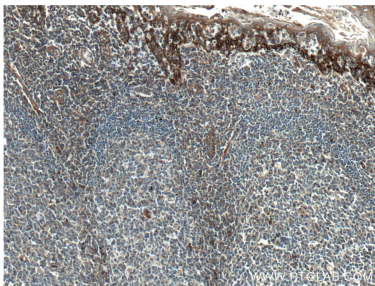
Various lysates were subjected to SDS PAGE followed by western blot with 10171-1-AP (Beta Arrestin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



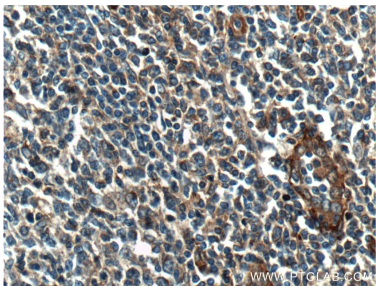
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Beta Arrestin 2 antibody (10171-1-AP) at dilution of 1:400 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



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).