

For Research Use Only

# Beta Arrestin 2 Monoclonal antibody

Catalog Number: 68502-1-Ig



## Basic Information

Catalog Number: 68502-1-Ig	GenBank Accession Number: BC007427	Purification Method: Protein G purification
Size: 1000 ug/ml	GeneID (NCBI): 409	CloneNo.: 1E8F2
Source: Mouse	UNIPROT ID: P32121	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:500-1:2000 IF/ICC 1:500-1:2000
Isotype: IgG1	Full Name: arrestin, beta 2	
Immunogen Catalog Number: AG29807	Calculated MW: 46 kDa Observed MW: 50 kDa	

## Applications

Tested Applications:  
WB, IHC, IF/ICC, ELISA

Species Specificity:  
human, 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 : LNCaP cells, Jurkat cells, K-562 cells, NIH/3T3 cells, HeLa cells, MCF-7 cells

IHC : human colon tissue,

IF/ICC : HeLa cells,

## 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.

## 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:

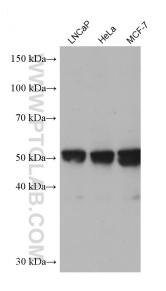
T: 4006900926

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

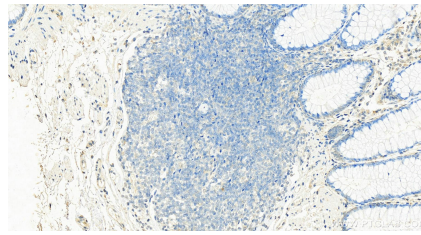
W: [ptgcn.com](http://ptgcn.com)

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

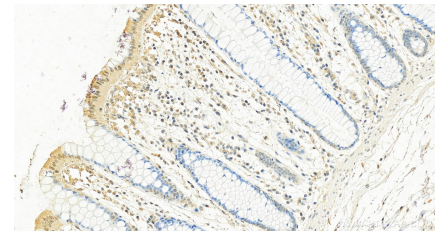
## Selected Validation Data



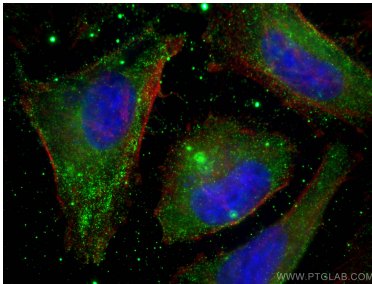
Various lysates were subjected to SDS PAGE followed by western blot with 68502-1-Ig (Beta Arrestin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 68502-1-Ig (Beta Arrestin 2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 68502-1-Ig (Beta Arrestin 2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Beta Arrestin 2 antibody (68502-1-Ig, Clone: 1E8F2 ) at dilution of 1:1000 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-phalloidin (red).