

For Research Use Only

# Beta Arrestin 2 Monoclonal antibody

Catalog Number: 68502-1-Ig



## Basic Information

<b>Catalog Number:</b> 68502-1-Ig	<b>GenBank Accession Number:</b> BC007427	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 409	<b>CloneNo.:</b> 1E8F2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P32121	<b>Recommended Dilutions:</b> WB 1:5000-1:20000 IHC 1:500-1:2000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> arrestin, beta 2	
<b>Immunogen Catalog Number:</b> AG29807	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 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

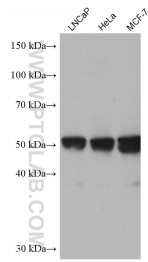
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

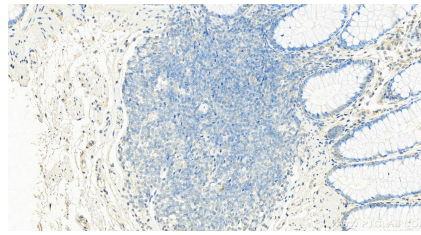
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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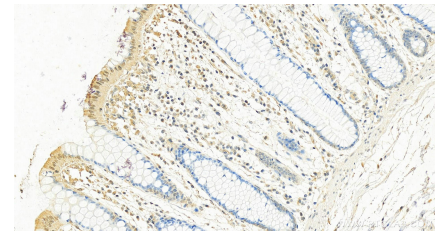
## Selected Validation Data



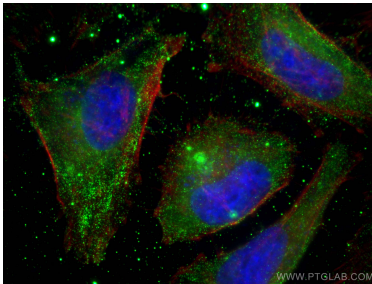
Various lysates were subjected to SDS PAGE followed by western blot with 68502-1-Ig (Beta Arrestin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).