

For Research Use Only

# Beta Arrestin 2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 82780-6-PBS



## Basic Information

Catalog Number: 82780-6-PBS	GenBank Accession Number: BC007427	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 409	CloneNo.: 241470F8
Source: Rabbit	UNIPROT ID: P32121	
Isotype: IgG	Full Name: arrestin, beta 2	
Immunogen Catalog Number: AG0227	Calculated MW: 46 kDa	
	Observed MW: 47-50 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

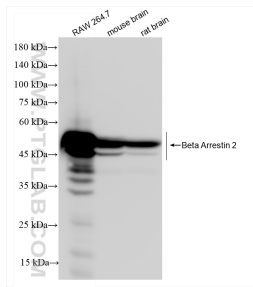
T: 4006900926

E: Proteintech-CN@ptglab.com

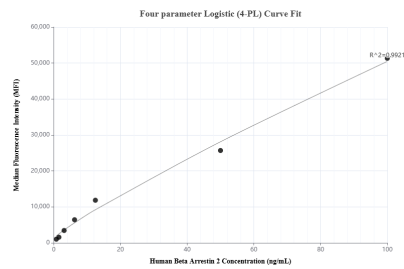
W: ptgcn.com

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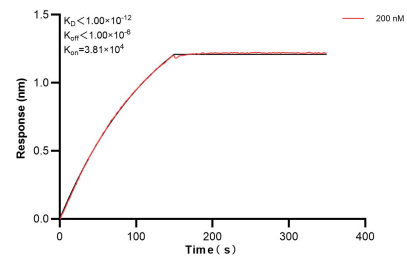
## Selected Validation Data



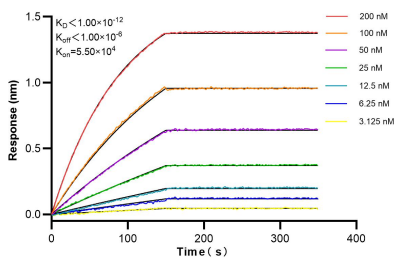
Various lysates were subjected to SDS PAGE followed by western blot with 82780-6-RR (Beta Arrestin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82780-6-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01125-3, Beta Arrestin 2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82780-5-PBS. Detection antibody: 82780-6-PBS. Standard: Ag0227. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 82780-6-PBS against Human Beta Arrestin 2 was performed. The affinity constant is below 1 pM.



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