

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: 100ug, Concentration: 1 mg/ml by Nanodrop;	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

Product Information

82780-6-PBS targets Beta Arrestin 2 as part of a matched antibody pair:

MP01125-3: 82780-5-PBS capture and 82780-6-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.
Storage Buffer:
PBS Only

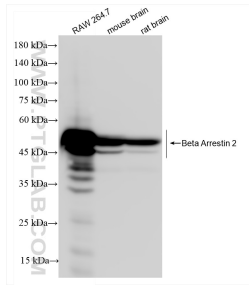
For technical support and original validation data for this product please contact:

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

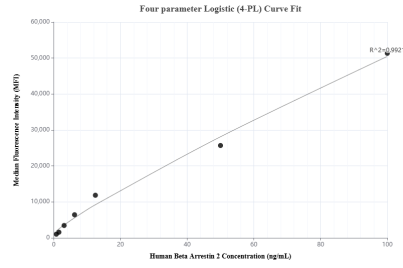
E: proteintech@ptglab.com
W: ptglab.com

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

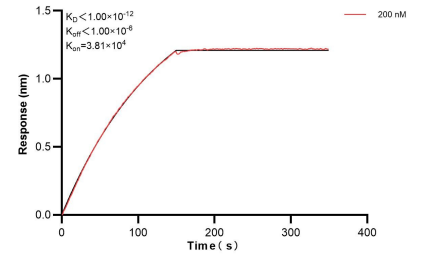
Selected Validation Data



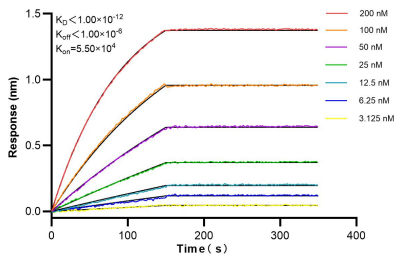
Various lysates were subjected to SDS PAGE followed by western blot with 82780-6-RR (Beta Arrestin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82780-6-PBS in a different storage buffer formulation.



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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