

For Research Use Only

Beta Arrestin 1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83837-1-PBS



Basic Information

Catalog Number:	83837-1-PBS	GenBank Accession Number:	BC003636	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	408	CloneNo.:	240974C3
Source:	Rabbit	UNIPROT ID:	P49407		
Isotype:	IgG	Full Name:	arrestin, beta 1		
Immunogen Catalog Number:	AG7608	Calculated MW:	47 kDa		
		Observed MW:	47-55 kDa		

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

β -Arrestins (ARRBs), the best known regulators of G protein-coupled receptor signaling, are versatile and multifunctional adapter proteins that regulate diverse cellular functions, including cell growth, apoptosis and immune responses. Overexpression of beta Arrestin 1 has been found in various cancers, indicating it as a potential therapeutic target for cancer treatment. Recently expression of ARRB1 in saliva has been identified as a candidate circadian biomarker. ARRB1 migrated as a doublet of two bands of 45 and 55 kDa (PMID:28947386).

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, pH7.3

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

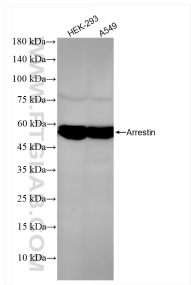
T: 4006900926

E: Proteintech-CN@ptglab.com

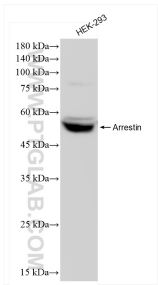
W: ptgcn.com

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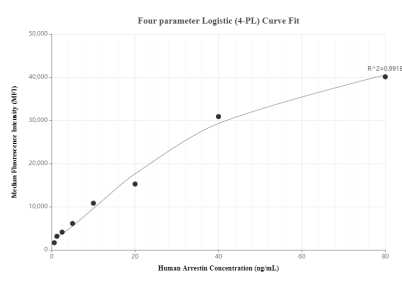
Selected Validation Data



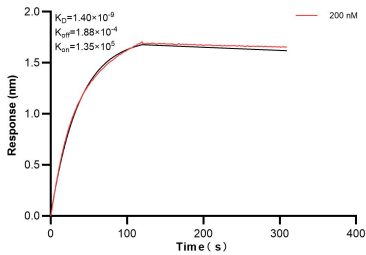
Various lysates were subjected to SDS PAGE followed by western blot with 83837-1-RR (Beta Arrestin 1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83837-1-PBS in a different storage buffer formulation.



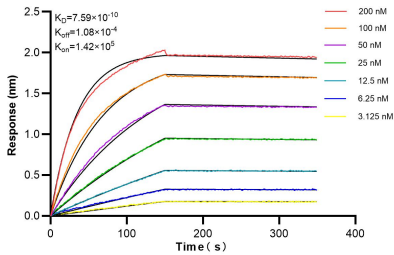
HEK-293 cells were subjected to SDS PAGE followed by western blot with 83837-1-RR (Arrestin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83837-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00811-2, Beta Arrestin 1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83837-2-PBS. Detection antibody: 83837-1-PBS. Standard: Ag7608. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83837-1-PBS against Human Beta Arrestin 1 was performed. The affinity constant is 1.40 nM.



Biolayer interferometry (BLI) kinetic assays of 83837-1-RR against Human Beta Arrestin 1 were performed. The affinity constant is 0.759 nM.