

For Research Use Only

Beta Arrestin 1 Recombinant antibody

Catalog Number: 83837-1-RR



Basic Information

Catalog Number:	83837-1-RR	GenBank Accession Number:	BC003636	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	408	CloneNo.:	240974C3
Source:	Rabbit	UNIPROT ID:	P49407	Recommended Dilutions:	WB 1:1000-1:8000
Isotype:	IgG	Full Name:	arrestin, beta 1		
Immunogen Catalog Number:	AG7608	Calculated MW:	47 kDa		
		Observed MW:	47-55 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB : HEK-293 cells, RAW 264.7 cells, mouse brain tissue, rat lung tissue
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

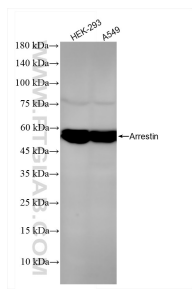
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

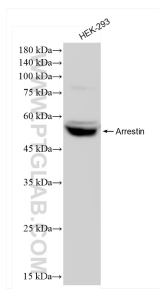
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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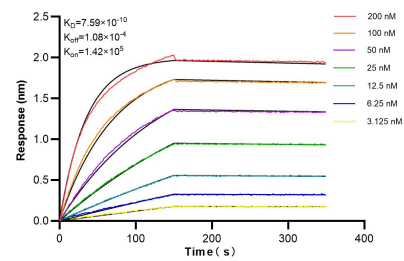
Selected Validation Data



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.



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.



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