

For Research Use Only

Beta Arrestin 2 Recombinant antibody

Catalog Number:82780-6-RR



Basic Information

Catalog Number: 82780-6-RR	GenBank Accession Number: BC007427	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 409	CloneNo.: 241470F8
Source: Rabbit	UNIPROT ID: P32121	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: arrestin, beta 2	
Immunogen Catalog Number: AG0227	Calculated MW: 46 kDa	
	Observed MW: 47-50 kDa	

Applications

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

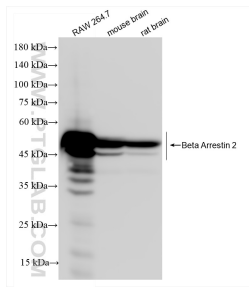
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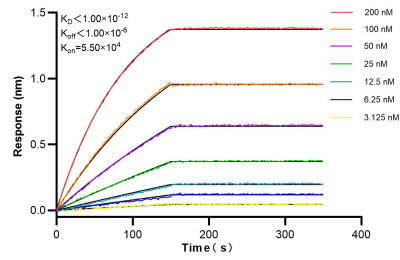
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Selected Validation Data



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.



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