For Research Use Only

Beta Arrestin 2 Recombinant antibody

Catalog Number:82780-6-RR

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Basic Information

Catalog Number:
82780-6-RR

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0227

GenBank Accession Number:
BC007427

GeneID (NCBI):
409

UNIPROT ID:
P32121

Full Name:
arrestin, beta 2

Calculated MW:
46 kDa

Observed MW:
47-50 kDa

Purification Method:
Protein A purification

CloneNo.:
241470F8

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : RAW 264.7 cells, mouse brain tissue, rat brain tissue

Background Information

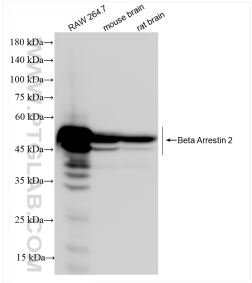
Beta Arrestin 2 is a member of arrestin/beta-arrestin protein family, which are expressed at high levels in the central nervous system (CNS) and play a critical role in the regulation of G-protein coupled receptors (GPCRs) including MOR. Beta Arrestin 2 is an adaptor protein that is important for the 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

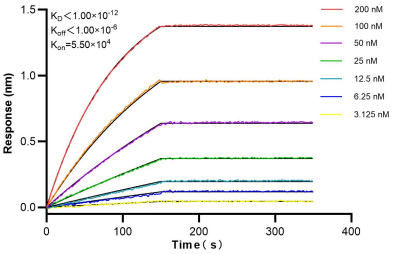
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.