

For Research Use Only

HCRTR1 Recombinant antibody

Catalog Number: 82921-1-RR



Basic Information

Catalog Number: 82921-1-RR	GenBank Accession Number: BC074796	Purification Method: Protein A purification
Size: 400 µg/ml	GeneID (NCBI): 3061	CloneNo.: 1E18
Source: Rabbit	UNIPROT ID: O43613	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: hypocretin (orexin) receptor 1	
Immunogen Catalog Number: AG12269	Calculated MW: 425 aa, 48 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : C6 cells,
Species Specificity: human, rat	

Background Information

The hypocretin receptor 1 (OX1R, also named HCRTR1) is a G protein-coupled receptor and is a critical participant in the regulation of motivated behavior (PMID:28971565). HCRTR1 is associated with the regulation of motivation, reward, and autonomic functions. HCRTR1 shows a selective binding affinity for HCRTR1/orexin-A. Moreover, HCRTR1 and HCRTR2 share 64% sequence similarity in humans (PMID:34052813).

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:

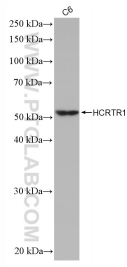
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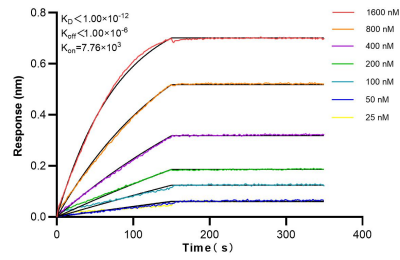
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Selected Validation Data



C6 cells were subjected to SDS PAGE followed by western blot with 82921-1-RR (HCRTR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82921-1-RR against Human HCRTR1 were performed. The affinity constant is below 1 pM.