

For Research Use Only

HCRT1 Recombinant antibody, PBS Only

Catalog Number: 82921-1-PBS



Basic Information

Catalog Number: 82921-1-PBS	GenBank Accession Number: BC074796	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3061	CloneNo.: 1E18
Source: Rabbit	UNIPROT ID: O43613	
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, Indirect ELISA
Species Specificity:
human, rat

Background Information

The hypocretin receptor 1 (OX1R, also named HCRT1) is a G protein-coupled receptor and is a critical participant in the regulation of motivated behavior (PMID:28971565). HCRT1 is associated with the regulation of motivation, reward, and autonomic functions. HCRT1 shows a selective binding affinity for HCRT1/orexin-A. Moreover, HCRT1 and HCRT2 share 64% sequence similarity in humans (PMID:34052813).

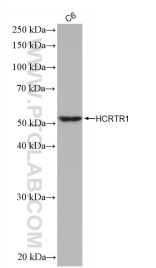
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

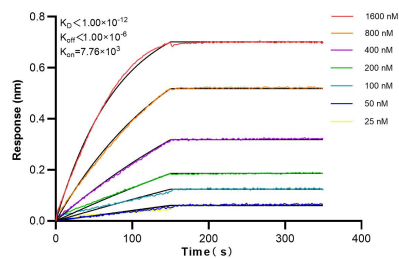
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Selected Validation Data



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. This data was developed using the same antibody clone with 82921-1-PBS in a different storage buffer formulation.



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