

For Research Use Only

RORB Recombinant antibody, PBS Only

Catalog Number: 85404-4-PBS



Basic Information

Catalog Number: 85404-4-PBS	GenBank Accession Number: BC051830	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6096	CloneNo.: 242832D9
Source: Rabbit	UNIPROT ID: Q92753	
Isotype: IgG	Full Name: RAR-related orphan receptor B	
Immunogen Catalog Number: AG11910	Calculated MW: 459 aa, 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Nuclear receptors (NRs) are a large group of ligand-inducible transcription factors that regulate many facets of mammalian Physiology (PMID: 22189870). In addition, NRs that lack identified ligands are termed orphan receptors. RORB is a transcription factor and belongs to the nuclear receptor family (PMID: 7935491), which shares a common modular structure composed of a transactivation domain, a DNA-binding domain, and a ligand-binding. Its function as the transcriptional factor is regulated by small lipophilic molecules, such as steroid hormones, vitamin D, retinoic acids, and thyroid hormone (PMID: 17431400).

Storage

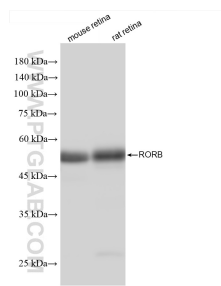
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

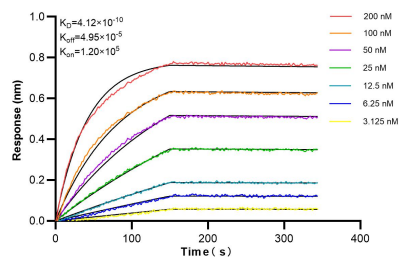
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85404-4-RR (RORB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85404-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85404-4-RR against Human RORB were performed. The affinity constant is 0.412 nM.