SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ROR beta antibody

Catalog Number: SL6216R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ROR beta
Immunogen:	KLH conjugated synthetic peptide derived from human RORB: 385-470/470
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Dog, Cow, Horse, Sheep)
Predicted MW.:	53kDa
Subcellular Location:	The nucleus
Background:	ROR beta is a member of the NR1 subfamily of nuclear hormone receptors. It is a DNA-binding protein that can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The specific functions of this protein are not known, but it has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation. **Function:** Orphan nuclear receptor required for normal postnatal development of rod and cone photoreceptor cells. Regulates transcription of OPN1SW in cone photoreceptor cells by binding the sequence 5'-AGGTCA-3' in the OPN1SW promoter (By similarity). **Subcellular Location:** Nucleus (Probable). **Similarity:** Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain. **Database links:** **Entrez Gene:** 6096 Human

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 225998 Mouse **Entrez Gene:** 309288 Rat Omim: 601972 Human **SwissProt:** Q92753 Human **SwissProt:** Q8R1B8 Mouse **SwissProt:** P45446 Rat **Unigene:** 494178 Human **Unigene:** 234641 Mouse **Unigene:** 210157 Rat **Unigene:** 231652 Rat

[VALIDATION IMAGES]

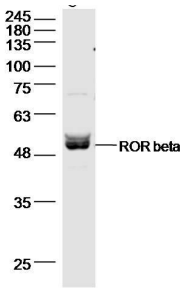


Figure 1. Sample: cerebum (Mouse) Lysate at 40 ug Primary: Anti- ROR beta (SL6216R)at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD

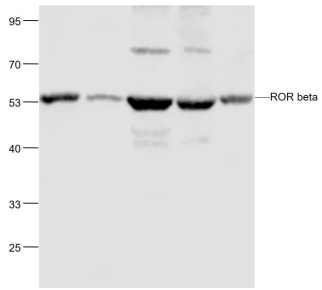


Figure 2. Sample: Eye(Mouse) Lysate at 40 ug Eye(Rat) Lysate at 40 ug Cerebellum(Mouse) Lysate at 40 ug Cerebellum(Rat) Lysate at 40 ug Uterus(Mouse) Lysate at 40 ug Primary: Anti-ROR beta (SL6216R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD

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