SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-RAR gamma antibody

Catalog Number: SL6218R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	RAR gamma
Immunogen:	KLH conjugated synthetic peptide derived from human Retinoic Acid Receptor gamma: 151-250/454
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 ICC/IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	50kDa
Subcellular Location:	The nucleus
Background:	Retinoic acid, a metabolite of vitamin A, is necessary for normal organogenesis but acts as a teratogen at high levels during embryonic and fetal development. Retinoic acid functions through its interaction with the nuclear protein, retinoic acid receptor (RAR). RAR belongs to the steroid and thyroid hormone superfamily of nuclear receptor proteins which exert their effects by binding to specific DNA response elements, thus regulating gene expression in target cells. RAR exists as three major subtypes: alpha, beta and gamma. **Subunit:** Homodimer. Heterodimer with a RAR molecule (By similarity). Binds DNA preferentially as a RAR/RXR heterodimer. **Subcellular Location:** Nucleus. **Similarity:** Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain. **Database links:**

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: 540425 Cow **Entrez Gene:** 5916 Human **Entrez Gene:** 19411 Mouse **Entrez Gene:** 685072 Rat Omim: 180190 Human **SwissProt:** P13631 Human **SwissProt:** P18911 Mouse **Unigene:** 1497 Human **Unigene:** 733399 Human **Unigene:** 1273 Mouse **Unigene:** 198797 Rat

[VALIDATION IMAGES]

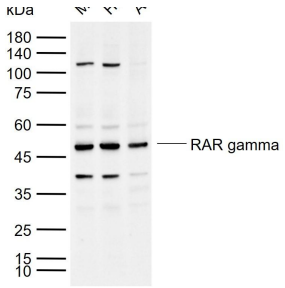


Figure 1. Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Lane 3: Human A549 cell lysates Primary: Anti-RAR gamma (SL6218R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kDa Observed band size: 48 kDa

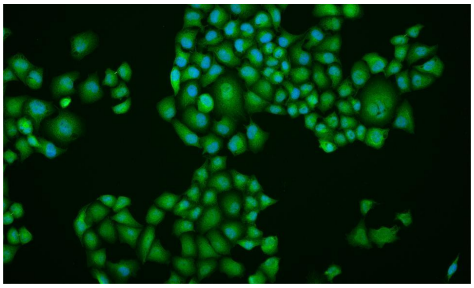


Figure 2. Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (RAR gamma) polyclonal Antibody, Unconjugated (SL6218R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei

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