bs-6218R **[Primary Antibody]**

RAR gamma Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5916 **SWISS:** P13631

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

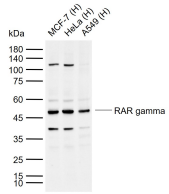
Applications: **WB** (1:500-2000)
ICC/IF (1:100-500)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)

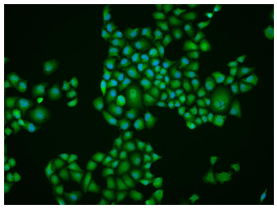
Predicted MW.: 50 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Lane 3: Human A549 cell lysates Primary: Anti-RAR gamma (bs-6218R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kDa Observed band size: 48 kDa



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 (bs-6218R) 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.

SELECTED CITATIONS

- **[IF=1.59]** Tsai et al. Expression of retinoic acid-binding proteins and retinoic acid receptors in sebaceous cell carcinoma of the eyelids. (2015) BMC.Ophthalmol. 15:142 IHC ;Human. 26503156