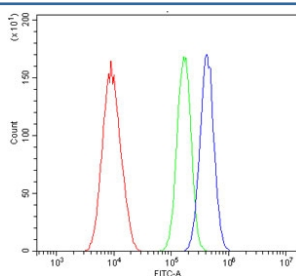


## Retinoid X Receptor alpha Antibody / RXRA [clone 5E7.] (RQ5942)

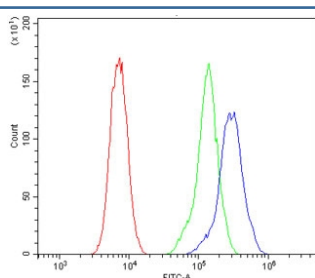
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ5942      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

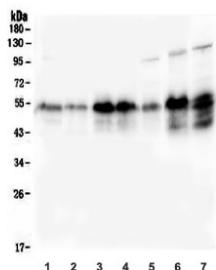
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human, Mouse, Rat   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG1  |
| <b>Clone Name</b>         | 5E7.  |
| <b>Purity</b>             | Affinity purified   |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide           |
| <b>UniProt</b>            | P19793  |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells           |
| <b>Limitations</b>        | This Retinoid X Receptor alpha antibody is available for research use only. |



Flow cytometry testing of human A549 cells with Retinoid X Receptor alpha antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Retinoid X Receptor alpha antibody.



Flow cytometry testing of human Caco-2 cells with Retinoid X Receptor alpha antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Retinoid X Receptor alpha antibody.



Western blot testing of human 1) HeLa, 2) A549, 3) HepG2, 4) Caco-2, 5) HL-60, 6) rat liver and 7) mouse liver lysate with Retinoid X Receptor alpha antibody. Predicted molecular weight: ~51 kDa but routinely observed at 54~60 kDa.

## Description

Retinoid X receptor alpha (RXR-alpha), also known as NR2B1 (nuclear receptor subfamily 2, group B, member 1) is a nuclear receptor that in humans is encoded by the RXRA gene. Retinoid X receptors (RXRs) and retinoic acid receptors (RARs) are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors function as transcription factors by binding as homodimers or heterodimers to specific sequences in the promoters of target genes. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. Alternative splicing of this gene results in multiple transcript variants.

## Application Notes

Optimal dilution of the Retinoid X Receptor alpha antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids A226-T462) was used as the immunogen for the Retinoid X Receptor alpha antibody.

## Storage

After reconstitution, the Retinoid X Receptor alpha antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.