

## Anti-Retinoid X receptor alpha Polyclonal Antibody 2

### Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG   |
| Reactivity:       | Human,Rat (predicted:Mouse,Chicken,Dog,Horse) |
| Molecular Weight: | Theoretical: 51 kDa. Actual: 51 kDa.          |
| Purification:     | Protein A purified                            |

### Applications

|                    |   |
|--------------------|---|
| Verified Activity: | <p>1. Blank control: Hela.<br/>                     Primary Antibody (green line): Rabbit Anti-Retinoid X receptor alpha antibody (TMAB-12205)<br/>                     Dilution: 1 µg /10<sup>6</sup> cells;<br/>                     Isotype Control Antibody (orange line): Rabbit IgG.<br/>                     Secondary Antibody: Goat anti-rabbit IgG-AF488<br/>                     Dilution: 1 µg /test.<br/>                     Protocol<br/>                     The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> |
|                    | <p>2. Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Retinoid X receptor alpha) Polyclonal Antibody, Unconjugated (TMAB-12205) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.</p> <p>3. Sample:<br/>                     Hela Cell Lysate at 40 µg<br/>                     K562 Cell Lysate at 40 µg<br/>                     Primary: Anti-Retinoid X receptor alpha (TMAB-12205) at 1/300 dilution<br/>                     Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br/>                     Predicted band size: 51 kD<br/>                     Observed band size: 51 kD</p>                             |
| Application:       | WB,IHC-P,IHC-Fr,IF,FCM  |
| Recommended        | WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test   |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human RXR Alpha  
Antigen Species: Human  
Gene ID: 6256  
Uniprot ID: P19793

---

### Research Background

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. [provided by RefSeq, May 2014].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481