



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06523 - Goat Anti-RXR alpha Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** RXRA, NR2B1, retinoid X receptor, alpha, FLJ16020, FLJ16733, MGC102720, FLJ00280, FLJ00318

**Official Symbol:** RXRA

**Accession Number(s):** NP\_002948.1

**Human GeneID(s):** [6256](#)

**Important Comments:** This antibody is expected to recognise an epitope corresponding to aa 14-28 of human RXR alpha protein and does not cross-react with either RXR beta or gamma.

### Immunogen

Peptide with sequence CQVNSSLTSPTRGSM, from the internal region of the protein sequence according to NP\_002948.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 55-60kDa band observed in nuclear lysates of cell lines HeLa and K562 (calculated MW of 50.8kDa according to NP\_002948.1). This molecular weight is routinely observed by other sources and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei of HeLa and MCF7 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

EB06523 (0.3µg/ml) staining of nuclear HeLa cell lysate (A) + peptide (B) and nuclear K562 cell lysate (C) + peptide (D). (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06523 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB06523 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.