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

## EB06522-T - Goat Anti-LXR alpha / LXR beta Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** LXRA, LXR-a, RLD-1, NR1H3, nuclear receptor subfamily 1, group H, member 3, liver X receptor, alpha, NR1H2, NER, UNR, LXR-b, NER-I, RIP15, nuclear receptor subfamily 1, group H, member 2, ubiquitously-expressed nuclear receptor / NR1H2, NER, UNR, LXR-b, NER-I, RIP15, nuclear receptor subfamily 1, group H, member 2, ubiquitously-expressed nuclear receptor, OTTHUMP00000198038, liver X receptor alpha, liver X receptor-alpha, LXRB, LX receptor beta, liver X receptor beta, liver X receptor-beta, nuclear orphan receptor LXR-beta, oxysterols receptor LXR-beta

**Official Symbol:** NR1H3; NR1H2

**Accession Number(s):** NP\_005684.2; NP\_009052.4; NP\_001123573.1;  
NP\_001238863.1; NP\_001350524.1

**Human GeneID(s):** [10062](#) , [7376](#)

**Important Comments:** This antibody is expected to recognise epitopes including aa 429-442 of human LXR alpha protein (NP\_005684.2) and aa 443-456 of human LXR beta protein (NP\_009052.3).

### Immunogen

Peptide with sequence CRLQDKKLPLLSEI, from the internal region of the protein sequence according to NP\_005684.2; NP\_009052.4; NP\_001123573.1; NP\_001238863.1; NP\_001350524.1.

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 55kDa band observed in Human, Liver and Kidney lysates and in preliminary testing of Human Spleen lysate (calculated MW of 51.1kDa according to NP\_001238863.1). This band was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on NIH3T3 and Rat for this particular batch.

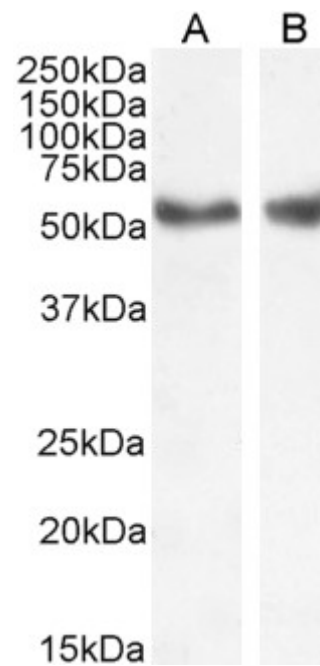
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of A549 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A549 cells. Recommended concentration: 10µg/ml.

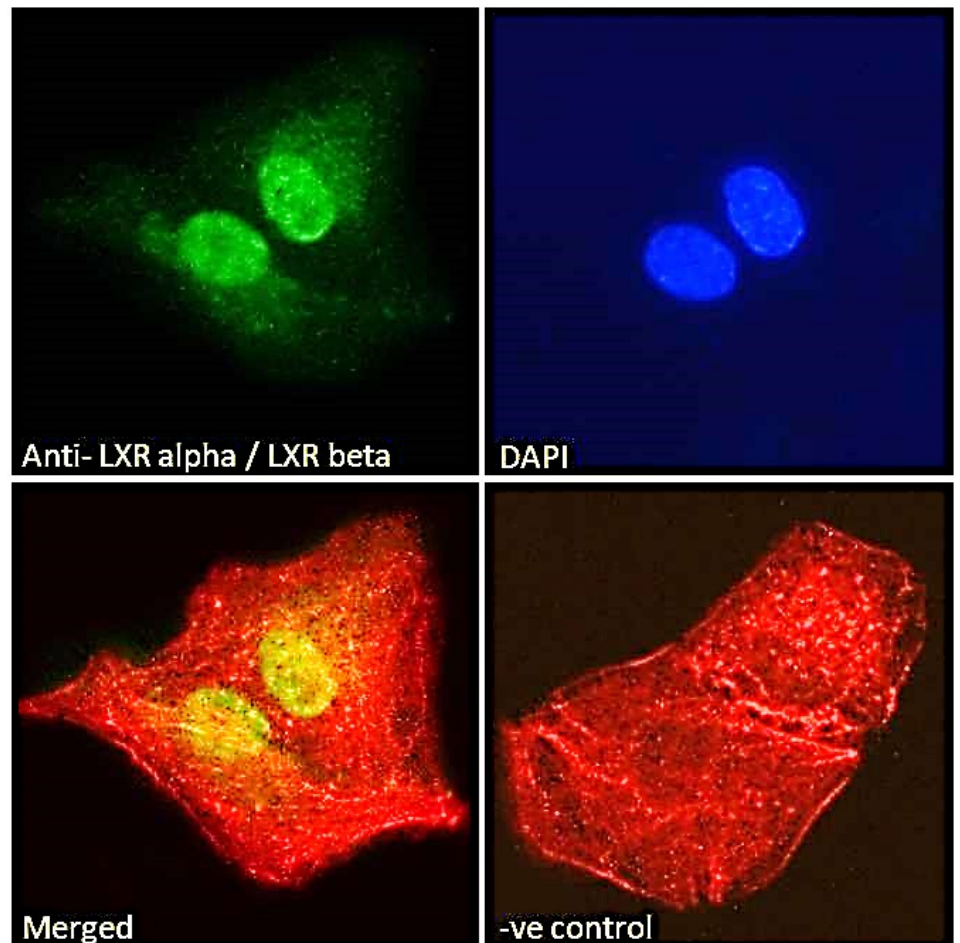
### Species Reactivity

**Tested:** Human

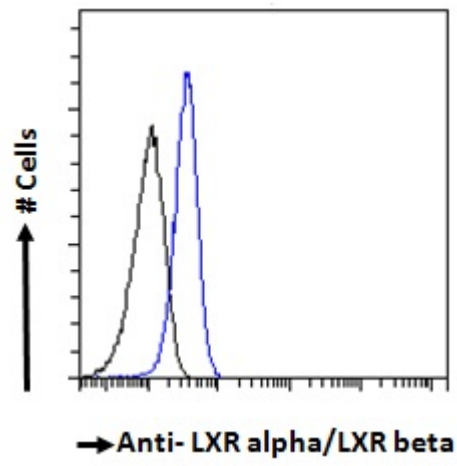
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



EB06522 (1 $\mu$ g/ml) staining of Human Liver (A) and Kidney (B) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06522 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing nuclear and weak cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml).



EB06522 Flow cytometric analysis of paraformaldehyde fixed A549 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.