

## UK Office

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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\_009052.3

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

**Important Comments:** This antibody is expected to recognise an epitope corresponding to aa 429-442 of human LXR alpha protein (NP\_005684.2) and to 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\_009052.3.

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 Spleen lysates (calculated MW of 50.5kDa according to NP\_005684.2 and 50.1kDa according to NP\_009052.3).

Recommended concentration: 1-3µg/ml. Additional minor bands were also consistently observed in Human Spleen at 38kDa and 75kDa. These bands were successfully blocked by incubation with the immunising peptide. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse and Rat for this particular batch.

### Species Reactivity

**Tested:** Human

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

EB06522 (1µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.