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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, iver 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 (1µg/ml) staining of Human Liver (A) and Kidney (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06522 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/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 (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/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.