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Research Use Only. Not for diagnostic or therapeutic use.

EB06522 - Goat Anti-LXR alpha / LXR beta Antibody

Size: 100µg specific antibody in 200µl



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, 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 CRLQDKKLPPLLSEI, 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.

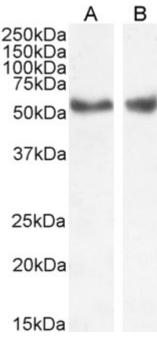
Western blot: Approx 55kDa band observed in Human, Liver and Kidney lysates and in preliminary testing of Human Spleen lysate (calculated MW of 51.1kDa according to NP_001238863.1). This band was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on NIH3T3 and Rat for this particular batch.

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

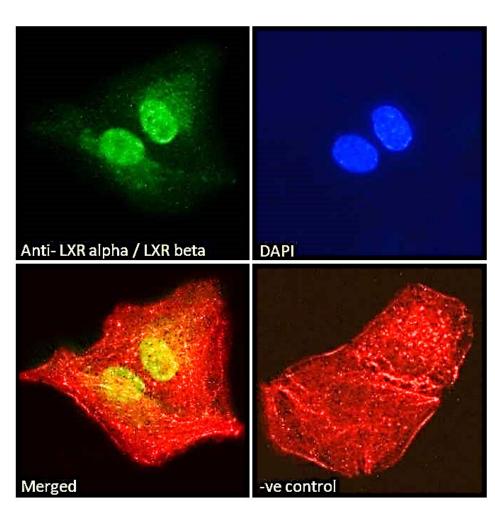
Species Reactivity

Tested: Human

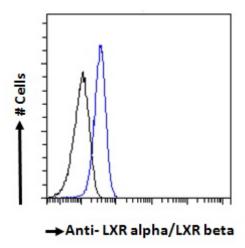
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



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.