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EB08362 - Goat Anti-Estrogen receptor 2 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ESR2, estrogen receptor 2 (ER beta), ER-BETA, ESR-BETA, ESRB,

ESTRB, Erb, NR3A2, estrogen receptor beta, estrogen receptor beta 4

Official Symbol: ESR2

Accession Number(s): NP_001035365.1; NP_001035366.1; NP_001428.1

Human GeneID(s): 2100

Important Comments: This antibody is expected to recognise all three isoforms

(NP_001035365.1; NP_001035366.1; NP_001428.1)

Immunogen

Peptide with sequence RRQRSADEQLHC, from the internal region of the protein sequence according to NP_001035365.1; NP_001035366.1; NP_001428.1.

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 1:128000.

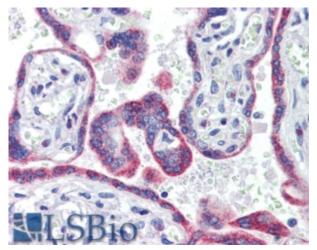
Western blot: Approx 55kDa band observed in Human Liver and Thymus lysates (calculated MW of 55.5kDa according to Human NP_001035365.1). An additional band of 35kDa was observed in some (not all) Liver lysates which was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 0.3-2μg/ml. Primary incubation was 1 hour.

IHC: In paraffin embedded Human Placenta shows staining of syncytiotrophoblasts. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB08362 (3.8 μ g/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08362 (2µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.