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

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.

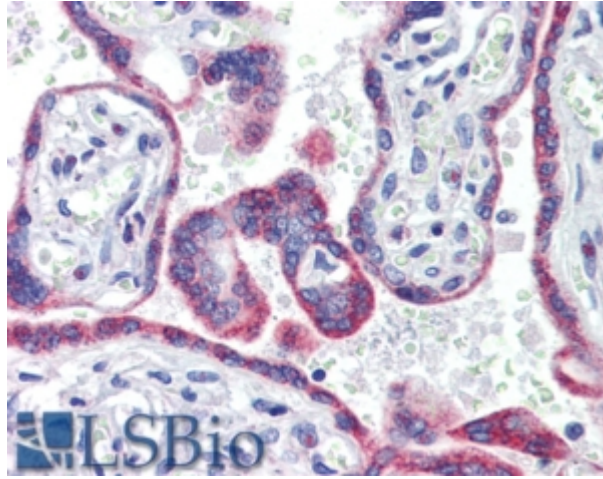
Primary incubation was 1 hour.

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

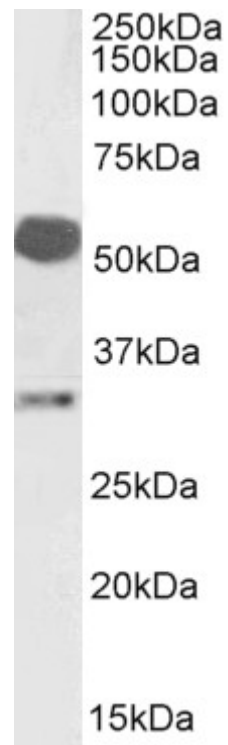
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB08362 (3.8µg/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.