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Research Use Only. Not for diagnostic or therapeutic use.

EB11581 - Goat Anti-Estrogen receptor beta (aa417-428) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Erb, ER-BETA, ESR2, ESRB, ESR-BETA, ESTRB, estrogen nuclear receptor beta variant a, estrogen nuclear receptor beta variant b, estrogen receptor 2 (ER beta), estrogen receptor beta, estrogen receptor beta 4, NR3A2, nuclear receptor subfamily 3 group A member 2, OTTHUMP00000180647

Official Symbol: ESR2

Accession Number(s): NP_001428.1; NP_001035365.1; NP_001201831.1;

NP_001201832.1

Human GeneID(s): 2100

Important Comments: This antibody is expected to recognize all reported isoforms (NP_001428.1; NP_001035365.1; NP_001201831.1; NP_001201832.1). Reported variants represent identical protein: NP_001035365.1, NP_001035366.1

Immunogen

Peptide with sequence C-TQDADSSRKLAH, from the internal region of the protein sequence according to NP_001428.1; NP_001035365.1; NP_001201831.1; NP_001201832.1.

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 50kDa band observed in Human Placenta lysates (calculated MW of 53.0kDa according to NP_001035366.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

Immunofluorescence: Strong expression of the protein seen in the nucleus of HeLa and MCF7 cells. Recommended concentration: 10µg/ml.

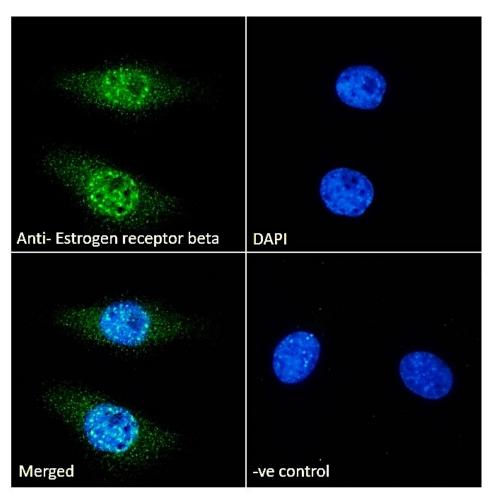
Species Reactivity

Tested: Human

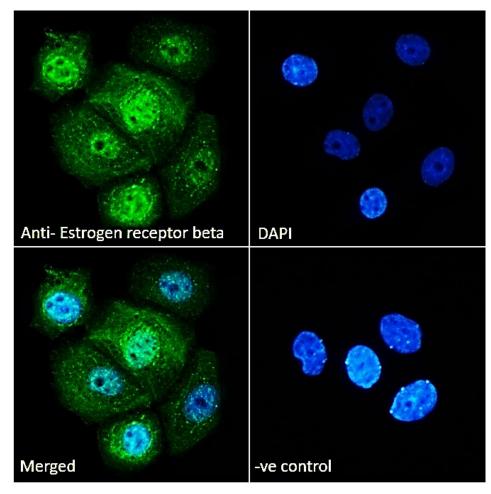
Expected from sequence similarity: Human



EB11581 (1µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB11581 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11581 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and weak cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).