

ER alpha(Phospho Ser106) Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP15471

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human Estrogen Receptor-alpha

around the phosphorylation site of Ser106. AA range:71-120

Mol wt 66216

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ICC, ELISA

Concentration 1 mg/ml

Full name Estrogen receptor

Synonyms Estrogen receptor; ESR1; ESR; NR3A1; Estrogen receptor; ER; ER-alpha; Estradiol receptor; Nuclear

receptor subfamily 3 group A member 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

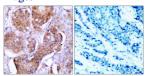
This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined.

Recommended Dilution

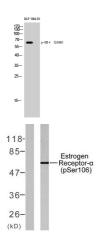
WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ICC: 1: 200 - 1: 1000 ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Estrogen Receptor-alpha (Phospho-Ser106) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of RAT-BRAIN cells using Phospho-ER α (S106) Polyclonal Antibody diluted at 1:500

Western blot analysis of lysates from MCF7 cells, using Estrogen Receptor-alpha (Phospho-Ser106) Antibody. The lane on the left is blocked with the phospho peptide.

Storage

-20°C for 1 year

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