BT LAB
Bioassay Technology Laboratory
Optimize Your Research

ER alpha(Phospho Ser102) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08985
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 Ser102. AA range:71-120
Mol wt	66216
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF, 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.

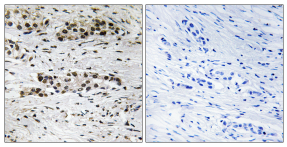
Recommended Dilution

IHC-p: 1: 100 - 1: 300

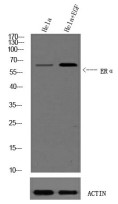
ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Estrogen Receptor-alpha (Phospho-Ser102) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cell lysis. Primary Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:10000

Storage

-20°C for 1 year

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