

ER Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03080
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Estrogen Receptor-alpha. AA range:136-185
Mol wt	66216
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	ERalpha Antibody
Synonyms	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

ESR1 encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The estrogen receptor 1 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

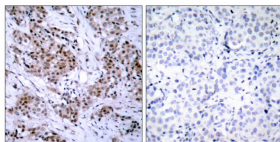
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

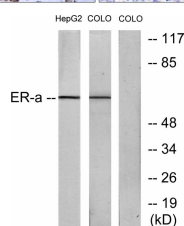
ELISA: 1: 20000

Not yet tested in other applications.

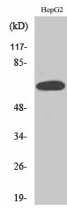
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Estrogen Receptor-alpha Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 and COLO cells, treated with EGF, using Estrogen Receptor-alpha Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ER α Polyclonal Antibody diluted at 1:500

Storage

-20°C for one year

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