

AbboMax, Inc

Innovation at Work

Rabbit anti ER (Paired S305), non-phosphospecific)

Alternate Names: Estrogen Receptor

ANTIGEN PREPARATION

BACKGROUND

ER (estrogen receptor) belongs to a member of the steroid receptor superfamily. It contains highly conserved DNA binding (DBD) and ligand binding domains (LBD). Through its estrogen-independent and estrogen-dependent activation domains (AF-1 and AF-2, respectively), ER regulates transcription by its phosphorylation at multiple sites, such as serine 104, 106, 118, 167 and 305. Phosphorylation of certain serine at ER may relate to breast cancer process and on-going treatment.

PURIFICATION

The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~67 kDa of human estrogen receptor without phosphorylation site of Ser 305 (It is confirmed by dot blot). It does not cross react to phosphorylation site of Ser305 of ER. This antibody reacts with human. The other species are not tested.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1:200
Flow cytometry	Not tested

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

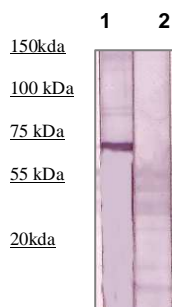
STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

MOLECULAR WEIGHT:	67 kDa
POSITIVE CONTROL:	MCF-7
CELLULAR LOCATION:	Nuclear

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



Western Blot: The whole cell lysates derived from MCF-7 were immunoblotted by Rabbit anti-ER (Paired S305) (Cat#620-230) at 1:500 (Lane 1). The immunoreactive band is blocked by pre-incubation of immunizing peptide (lane 2)

REFERENCES

Dutertre M, Smith CL. 2003. Ligand-independent interactions of p160/steroid receptor coactivators and CREB-binding protein (CBP) with estrogen receptor-alpha: regulation by phosphorylation sites in the A/B region depends on other receptor domains. Mol Endocrinol 17:1296-314.

FOR RESEARCH USE ONLY.

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Order Information

Description: Rabbit anti-ER (Paired S305)
(Non-Phosphospecific)
Catalogue#: 620-230
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB
Reactivity: Hu.