

## ER $\alpha$ (P124) polyclonal antibody

Catalog: BS5567

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

The estrogen receptor-alpha (ER) is a broadly expressed transcription factor which controls a number of genes involved in cellular differentiation and proliferation. ER contains two transcriptionally active domains: the N-terminal domain (AF1) is constitutively active, while the C-terminal domain (AF-2) is hormone-dependent. ER is subject to post-translational modification, including phosphorylation of serine residues 104, 106, 118, and 167. This antibody specifically recognizes human estrogen receptor-alpha when phosphorylated at serine 167, a site which influences AF-1 dependent transcriptional activity. This phosphorylation is catalyzed by the MAPK pathway, potentially through the 90 kDa ribosomal S6 kinase (pp90rsk1). Serine 167 is also a consensus Akt substrate.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 66 kDa

**Swiss-Prot:**

P03372

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

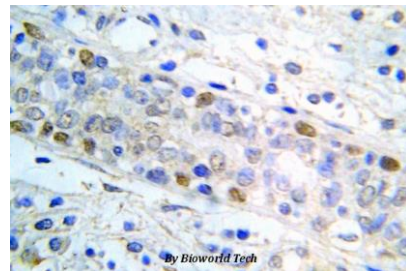
IHC: 1:50~1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

ER-a (P124) polyclonal antibody detects endogenous levels of ER-a protein.

**DATA:**

Immunohistochemistry (IHC) analyzes of ER-a (P124) pAb in paraffin-embedded human breast carcinoma tissue.

**Note:**

For research use only, not for use in diagnostic procedure.

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