ERα (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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 66 kDa

Swiss-Prot:

P03372

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC: 1:50~1:200

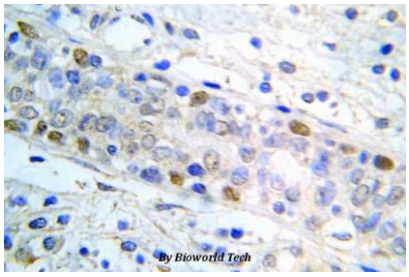
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ 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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