Bioworld Technology CO., Ltd.

# p-ERα (Y537) Peptide

**Cat No.:** BS4683P

## Background

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ERα and ERβ, contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. They are located in the nucleus , though some estrogen receptors associate with the cell surface membrane and can be rapidly activated by exposure of cells to estrogen. ERα and ERβ have been shown to be differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ERα and ERβ may be regulated by distinct mechanisms even though they share many functional characteristics.

## Swiss-Prot

P03372

## Applications

Blocking

## Specificity

This peptide can be used with studies using BS4683 p-ERα (Y537) pAb.

## Purification & Purity

Synthetic peptide p-ERα (Y537). (Note: the amino acid sequence is proprietary). The purity is > 98%.

## Product

1 mg/ml in DI water.

## Storage & Stability

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

## Research Use

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

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