

Phospho-Estrogen Receptor α Antibody Sampler Kit

Cat# AK0226

Upon receipt, store at -20°C . Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

Estrogen receptor α (ER α), a member of the steroid receptor superfamily, contains highly conserved DNA binding and ligand binding domains. Through its estrogen-independent and estrogen-dependent activation domains (AF-1 and AF-2, respectively), ER α regulates transcription by recruiting coactivator proteins and interacting with general transcriptional machinery. Phosphorylation at multiple sites provides an important mechanism to regulate ER α activity. Ser104, 106, 118, and 167 are located in the amino-terminal transcription activation function domain AF-1, and phosphorylation of these serine residues plays an important role in regulating ER α activity. Ser118 may be the substrate of the transcription regulatory kinase CDK7. Ser167 may be phosphorylated by p90RSK and Akt. According to the research literature, phosphorylation at Ser167 may confer tamoxifen resistance in breast cancer patients.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340514	ER α Polyclonal Antibody	20 μL	WB, IHC, ELISA	Human, Mouse	Rabbit
A340218	Phospho-ER α (Ser104) Polyclonal Antibody	20 μL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340219	Phospho-ER α (Ser106) Polyclonal Antibody	20 μL	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340220	Phospho-ER α (Ser118) Polyclonal Antibody	20 μL	WB, IHC, ELISA	Human, Mouse	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120 μL	WB, ELISA	Rabbit	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.