Estrogen Receptor-a(Phospho-Ser104) Antibody

Catalog No: #11070

Package Size: #11070-1 50ul #11070-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Estrogen Receptor-a(Phospho-Ser104) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Estrogen Receptor-a only when phosphorylated at serine104.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 104 (S-V-S(p)-P-S) derived from Human Estrogen Receptor-a.
Target Name	Estrogen Receptor-a
Modification	Phospho
Other Names	ER; ESR; ESR1; ESTR; ESTRA
Accession No.	Swiss-Prot: P03372NCBI Protein: NP_000116.2
Uniprot	P03372
GeneID	2099;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

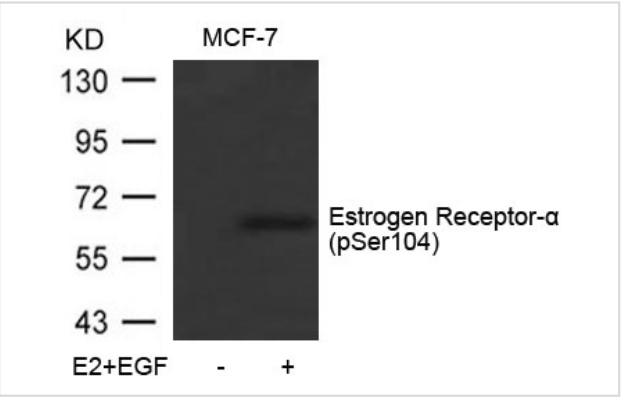
Application Details

Predicted MW: 66kd

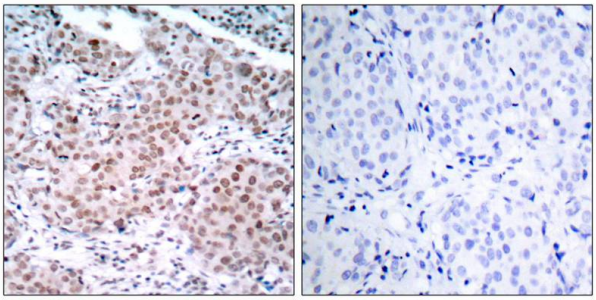
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from MCF-7 cells untreated or treated with E2 and EGF using Estrogen Receptor-a(Phospho-Ser104) Antibody #11070



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-a(Phospho-Ser104) Antibody #11070(left) or the same antibody preincubated with blocking peptide(right).

Background

Nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues.

Dittadi, R. et al. (2000) J. Natl. Cancer Inst. 92, 1443-1444.
Muthuswamy, S. K. et al. (1999) Mol. Cell. Biol. 19, 6845-6857.
Qian, X. et al. (1994) Proc. Natl. Acad. Sci. USA 91, 1500-1504.
Kwon, Y. K. et al. (1997) J. Neurosci. 17, 8293-8299.
Klapper, L. N. et al. (2000) Cancer Res. 60, 3384-3388.

Note: This product is for in vitro research use only