

Estrogen Receptor- $\alpha$  (Phospho-Ser102) Antibody

Catalog No: #11801

Package Size: #11801-1 50ul #11801-2 100ul

Orders: order@signalwayantibody.com

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## Description

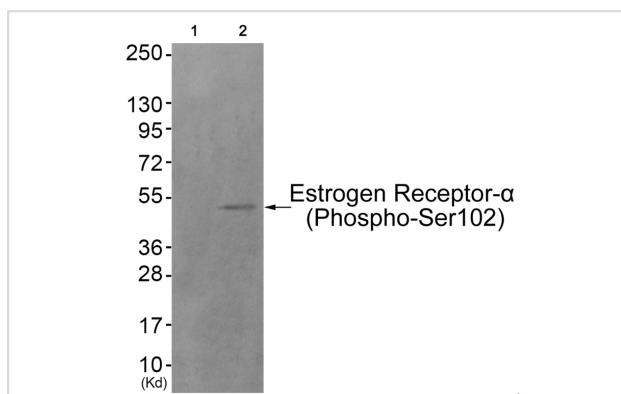
Product Name	Estrogen Receptor- $\alpha$ (Phospho-Ser102) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Estrogen Receptor- $\alpha$ only when phosphorylated at serine 102.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine102(L-N-S(p)-V-S) derived from Human Estrogen Receptor- $\alpha$ .
Target Name	Estrogen Receptor- $\alpha$
Modification	Phospho
Other Names	ER; ESR; ESR1; ESTR; NR3A1
Accession No.	Swiss-Prot#: P03372; NCBI Gene#: 2099; NCBI Protein#: NP_000116.2.
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

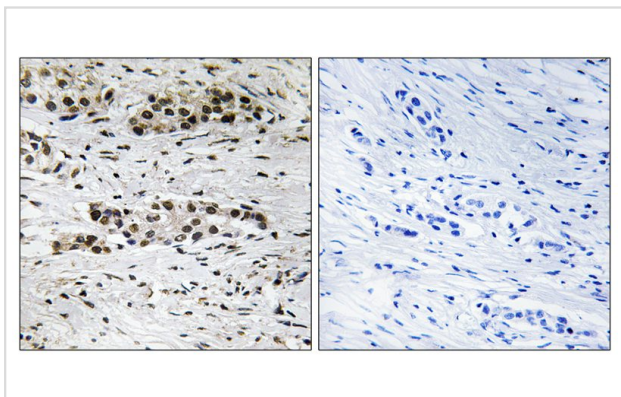
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HuvEc cells (Lane 2), using Estrogen Receptor- $\alpha$  (Phospho-Ser102) Antibody #11801. The lane on the left is treated with antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor- $\alpha$  (Phospho-Ser102) antibody #11801 (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.

Greene G.L., Science 231:1150-1154(1986).

Green S., Nature 320:134-139(1986).

Pink J.J., Nucleic Acids Res. 24:962-969(1996).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.