

## Estrogen Receptor-a(Ab-104) Antibody

Catalog No: #21065

Package Size: #21065-1 50ul #21065-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Estrogen Receptor-a(Ab-104) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Estrogen Receptor-a protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.102~106 (S-V-S-P-S) derived from Human Estrogen Receptor-a.
Target Name	Estrogen Receptor-a
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 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 for long term preservation (recommended). Store at 4°C for short term use.

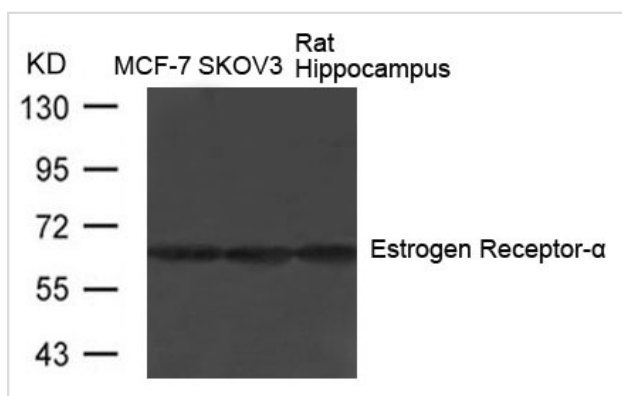
## Application Details

Predicted MW: 66kd

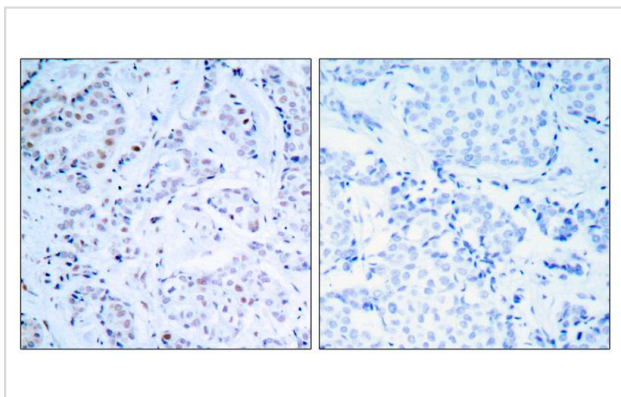
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from MCF-7



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor- $\alpha$ (Ab-104) Antibody #21065(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.

Medunjanin S, et al. (2005). *J Biol Chem.*80 (38):33006-33014.

Dutertre M, et al. (2003). *Mol Endocrinol.*17 (7): 1296-1314.

Chen D, et al. (2000). *Mol Cell.*6 (1): 127-137.

Rogatsky I, et al. (1999). *J Biol Chem.*274 (32): 22296-22302.

Note: This product is for in vitro research use only