

Estrogen Receptor-a(Ab-104) Antibody

Catalog No: #21065

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

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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.
Conjugates	Unconjugated
Target Name	Estrogen Receptor-a
Other Names	ER; ESR; ESR1; ESTR; ESTRA
Accession No.	Swiss-Prot: P03372NCBI Protein: NP_000116.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.

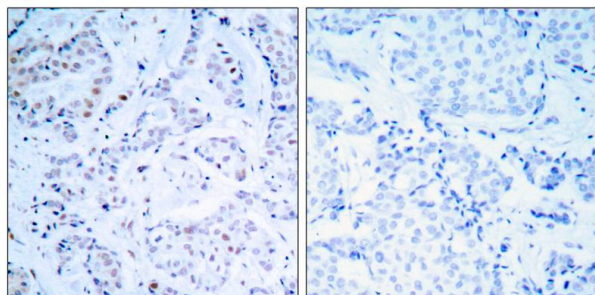
Application Details

Predicted MW: 66kd

Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-a(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.

Published Papers

Yamaguchi, J Zhu, T Yu et al., Serum-free mouse embryo cells generate a self-sustaining feedback loop for an astrocyte marker protein and respond to cytokines and bisphenol A in accordance with the subtle difference in their differentiation state., Cell Biology International, 31(6):638-644(2007)

[PMID:17210262](#)

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