

Datasheet for ABIN7138448

anti-Estrogen Receptor alpha antibody (pSer167)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	Estrogen Receptor alpha (ESR1)
Binding Specificity:	pSer167
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Estrogen Receptor alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 167 (L-A-S(p)-T-N) derived from Human Estrogen Receptor-α.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
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

Target Details

Target:	Estrogen Receptor alpha (ESR1)
Alternative Name:	ESR1 (ESR1 Products)

Target Details

Background:	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. Feinmesser RL,et al. (1999) J Biol Chem, 274(23): 16168-73. Gamou S,et al. (1995)FEBS Lett, 357(2): 161-4. Gamou S, et al. (1994)J Cell Physiol, 158(1): 151-9. Heisermann GJ, et al. (1988) J Biol Chem, 263(26): 13152-8. Aliases: 7*/654 isoform antibody, 7*/819 2 isoform antibody, 7*/822 isoform antibody, 8*/901 isoform antibody, 8*/941 isoform antibody, DKFZp686N23123 antibody, ER alpha antibody, ER antibody, ER-alpha antibody, Era antibody, ESR antibody, ESR1 antibody, ESR1_HUMAN antibody, ESRA antibody, Estradiol receptor antibody, Estrogen nuclear receptor alpha antibody, Estrogen receptor 1 antibody, Estrogen receptor alpha 3*,4,5,6,7*/822 isoform antibody, Estrogen receptor alpha antibody, Estrogen receptor alpha delta 3*,4,5,6,7*,8*/941 isoform antibody, Estrogen receptor alpha delta 3*,4,5,6,7*/819 2 isoform antibody, Estrogen receptor alpha delta 4 +49 isoform antibody, Estrogen receptor alpha delta 4*,5,6,7*/654 isoform antibody, Estrogen receptor alpha delta 4*,5,6,7,8*/901 isoform antibody, Estrogen receptor alpha E1 E2 1 2 antibody, Estrogen receptor alpha E1 N2 E2 1 2 antibody, Estrogen receptor antibody, ESTRR antibody, NR3A1 antibody, Nuclear receptor subfamily 3 group A member 1 antibody
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UniProt:	P03372
Pathways:	Nuclear Receptor Transcription Pathway , EGFR Signaling Pathway , Retinoic Acid Receptor Signaling Pathway , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway , Ribonucleoprotein Complex Subunit Organization , Ribosome Assembly

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only

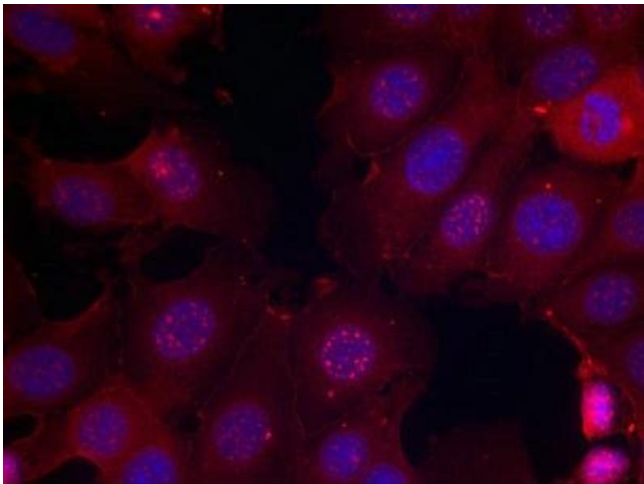
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM

Handling

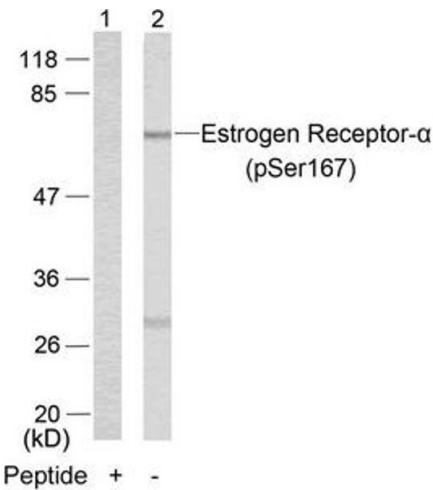
	NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



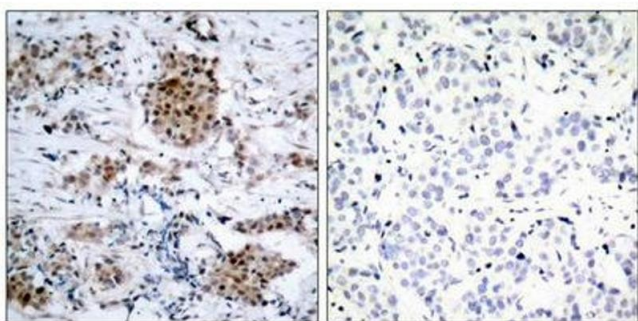
Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed MCF cells using Estrogen Receptor-α(Phospho-Ser167) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from MCF7 cells using Estrogen Receptor-α(Phospho-Ser167) Antibody(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-α(Phospho-Ser167) Antibody(left) or the same antibody preincubated with blocking peptide(right).