Estrogen Receptor-a(Phospho-Ser106) Antibody

Catalog No: #11071

Package Size: #11071-1 50ul #11071-2 100ul

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

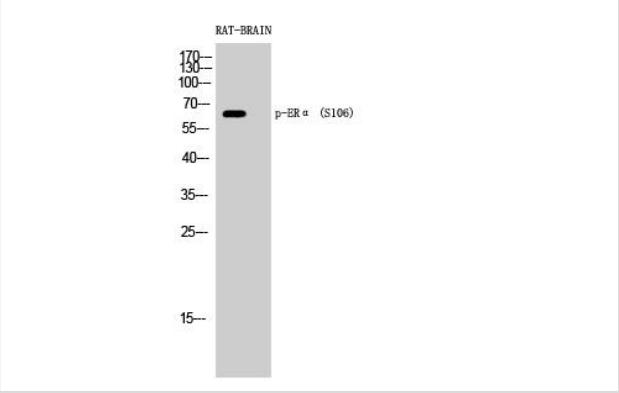
Description

Product Name	Estrogen Receptor-a(Phospho-Ser106) 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 IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Estrogen Receptor-a only when phosphorylated at serine 106.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine106 (S-P- S(p)-P-L) derived from Human Estrogen Receptor-a.
Conjugates	Unconjugated
Target Name	Estrogen Receptor-a
Modification	Phospho
Other Names	ER; ESR; ESR1; ESTR; ESTRA
Accession No.	Swiss-Prot: P03372NCBI Protein: NP_000116.2
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

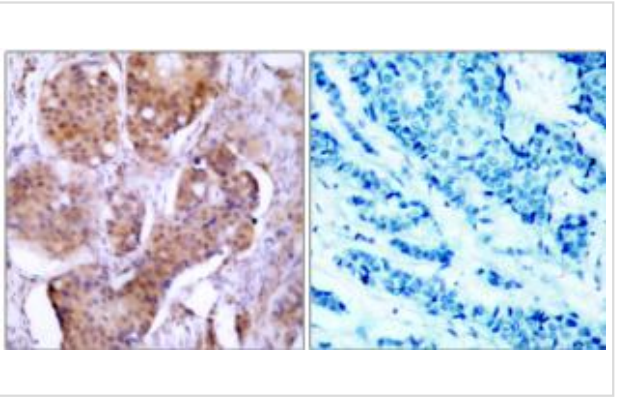
Application Details

WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000.

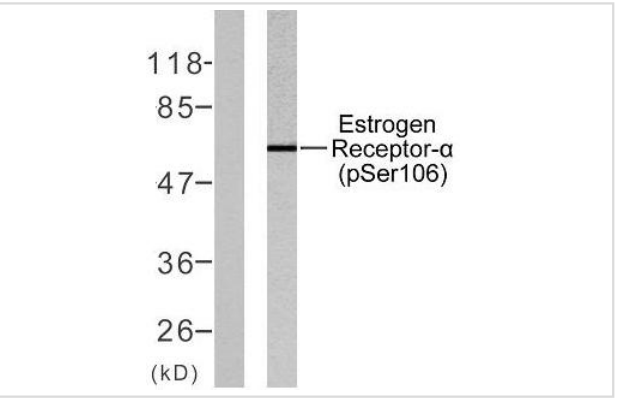
Images



Western Blot analysis of RAT-BRAIN cells using Phospho-ERα (S106) Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Estrogen Receptor-alpha (Phospho-Ser106) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from MCF7 cells, using Estrogen Receptor-alpha (Phospho-Ser106) Antibody. The lane on the left is blocked with the phospho peptide

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.

Marone R, et al. (2004) Nat Cell Biol; 6(6): 515-22.
Ren Z, et al. (2002) J Biol Chem; 277(41): 38486-93.
Ouyang X,et al. (1998)Carcinogenesis; 19(11): 2013-9.
Ouyang X,et al. (1998) Exp Cell Res; 241(2): 467-75.
Klapper, L. N. et al. (2000) Cancer Res. 60, 3384-3388.

Published Papers

el at., Astragalus root induces ovarian β?oxidation and suppresses estrogen?dependent uterine proliferation.In Mol Med Rep. On 2018 Dec Orkhon B1, Kobayashi K et al..PMID: 30272268, , (2018)

PMID:
30272268

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