

Estrogen Receptor- $\alpha$  (Phospho-Tyr537) Antibody

Catalog No: #11657



Package Size: #11657-1 50ul #11657-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

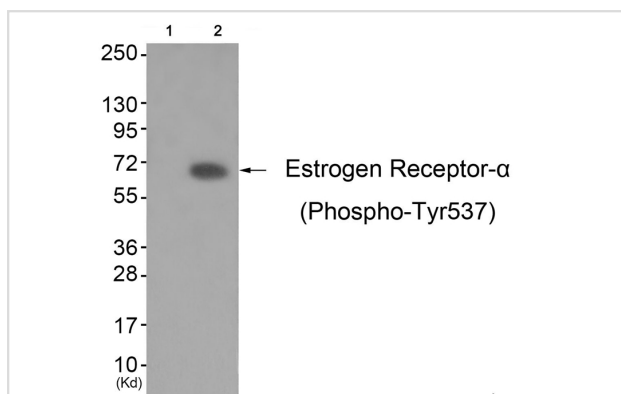
Product Name	Estrogen Receptor- $\alpha$ (Phospho-Tyr537) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of ER- $\alpha$ only when phosphorylated at tyrosine 537.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 537(P-L-Y(p)-D-L) 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	66kd
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

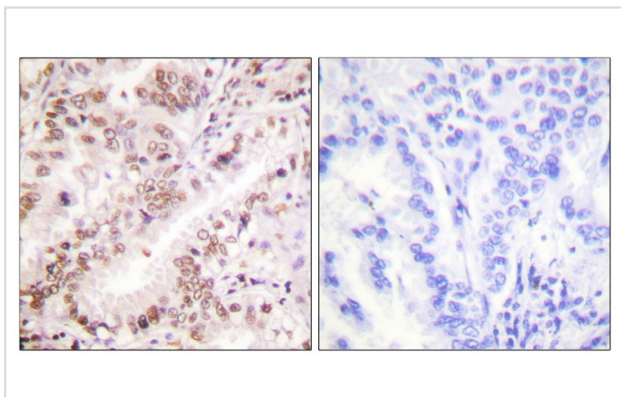
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from K562 cells (Lane 2), using Estrogen Receptor- $\alpha$  (Phospho-Tyr537) Antibody #11657. The lane on the left is treated with antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Estrogen Receptor- $\alpha$  (Phospho-Tyr537) antibody #11657 (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.

Sehime Temel, *Endocrinology*, Oct 2002; 143: 3974.

Xin-Tian Zhang, *AACR Meeting Abstracts*, Apr 2005; 2005: 302.

Suwit J. Somponpun, *Am J Physiol Regulatory Integrative Comp Physiol*, Sep 2004; 287: R661 - R669.

Marcello Maggiolini, *Cancer Res.*, Oct 1999;

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