

Anti-Estrogen Receptor α (Tyr-537), Phosphospecific Antibody



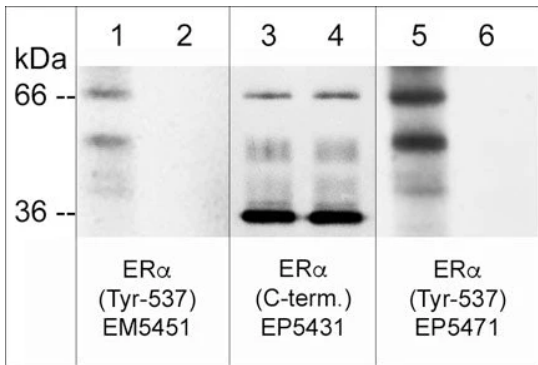
Product Details

Available Variants	100 μ L (SKU:EM5451)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M545
Gene Name	ESR1
Host Species	Mouse
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Chicken, Frog, Human, Mouse, Rabbit, Rat
Immunogen	Clone M545 was generated from a phospho-ER α (Tyr-537) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding Tyr-537 in human ER α . This sequence is well conserved in rat and mouse ER α , and is also well conserved in ER β (Tyr-488).
Specificity	This antibody detects several forms of ER α ranging from 66 to 35 kDa* on SDS-PAGE immunoblots of MCF-7 cells treated with pervanadate, and this reactivity is removed after alkaline phosphatase treatment.
Molecular Weight	35-66
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

UniProt ID	P03372
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Tyr-537

Product Images



Western blot image of human MCF-7 cells treated with pervanadate (1 mM) for 30 min. (lanes 1-6). Some lanes of the blot were then treated with alkaline phosphatase (lanes 2, 4, & 6). The blot was probed with mouse monoclonal anti-ERα (Tyr-537) phospho-specific (lanes 1 & 2), rabbit polyclonal anti-ERα (C-terminus) (lanes 3 & 4), and rabbit polyclonal anti-ERα (Tyr-537) phospho-specific (lanes 5 & 6).

Product Page URL: www.antibodiesinc.com/products/anti-estrogen-receptor-a-tyr-537-phosphospecific-antibody-em5451

