

Product datasheet for **TA347123**

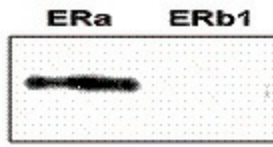
Estrogen Receptor 1 (ESR1) Mouse Monoclonal Antibody

Product data:

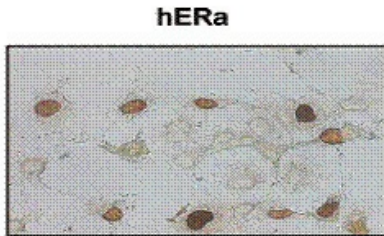
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ChIP (5 ug/IP) ; Western blotting (7 ug/ml); Immunochemistry (15 ug/ml)
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	The immunogen for anti-ER alpha antibody: the NH2 terminus of the human ER. (estrogen receptor alpha), using a KLH-conjugated synthetic peptide (Q19-K32).
Concentration:	lot specific
Purification:	Monoclonal antibody in PBS containing 0.05% azide; purified by ammonium sulphate precipitation followed by dialysis.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	estrogen receptor 1
Database Link:	NP_000116 Entrez Gene 2099 Human P03372
Synonyms:	ER; Era; ESR; ESRA; ESTRR; NR3A1
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors



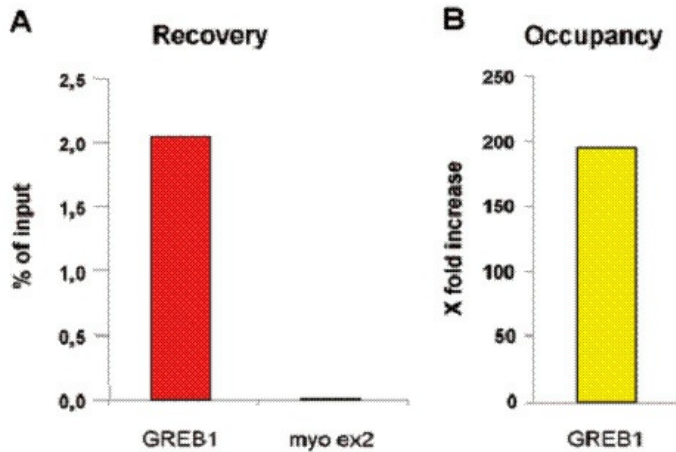
[View online »](#)

Product images:


WB analysis was performed on 100 fmol ER alpha (ERa) and ER beta (ERb1) recombinant protein with the antibody against ER alpha at a concentration of 7 ug/ml. Image shows the specificity of the antibody for the ER alpha isoform, whereas the ER beta isoform is not recognized.



Immunocytochemistry using the antibody against hERa COS-7 cells transiently overexpressing human hERa (left) or ERβ1 (right) were labeled with the antibody against ER alpha, used at a concentration of 15 ug/ml, followed by a biotinylated secondary antibody and peroxidase-labeled avidin. Image shows the specificity of the antibody for the ER alpha isoform.



ChIP assays using MCF7 cells treated with ER agonist estradiol for 3 hr prior to harvesting. Sheared chromatin from 3 million cells and 5 ug of antibody were used per ChIP/input) and occupancy (x fold: +ve/-ve) are shown. qPCR primers were for the GREB1 promoter and for exon 2 of the myoglobin gene as negative control. Image shows recovery (the relative amount of IP'd DNA compared to input DNA) & occupancy (ratio +/- control target): demonstrate the occupancy of the GREB1 promoter by ERalpha.