

Product Datasheet

ER alpha/NR3A1 Antibody (C.15200009) NBP2-59201

Unit Size: 50 ug

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-59201

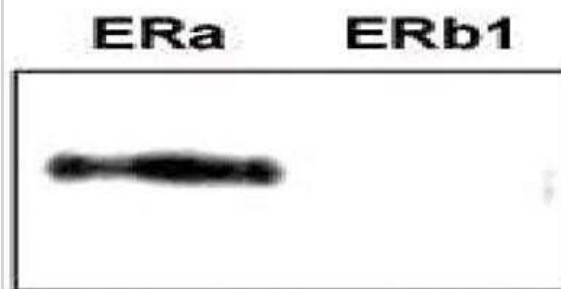
ER alpha/NR3A1 Antibody (C.15200009)

Product Information	
Unit Size	50 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C.15200009
Preservative	0.05% Sodium Azide
Isotype	IgG3
Purity	ammonium sulphate purified
Buffer	PBS, 0,1% BSA
Product Description	
Host	Mouse
Gene ID	2099
Gene Symbol	ESR1
Species	Human
Immunogen	The exact immunogen is proprietary information.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 7 ug/mL, Chromatin Immunoprecipitation 5 ug/IP, Immunohistochemistry 15 ug/mL, Immunocytochemistry/ Immunofluorescence 15 ug/mL



Images

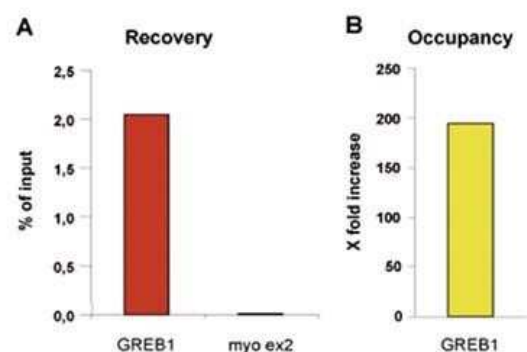
Western Blot: ER alpha/NR3A1 Antibody (C.15200009) [NBP2-59201] - Analysis was performed on 100 fmol ER alpha (ERa) and ER beta (ERb1) recombinant protein with the antibody directed against ER alpha at 7 ug/ mL. Figure shows the specificity of the antibody for the ER alpha isoform, whereas the ER beta isoform is not recognized.



Immunocytochemistry/Immunofluorescence: ER alpha/NR3A1 Antibody (C.15200009) [NBP2-59201] - COS-7 cells transiently overexpressing human ER alpha; (left) or ER beta 1 (right) were labeled with the antibody and peroxidase-labeled avidin. Figure shows the specificity of the antibody for the ER alpha isoform.



Chromatin Immunoprecipitation: ER alpha/NR3A1 Antibody (C.15200009) [NBP2-59201] - ChIP using the antibody ChIP using the antibody against hER-alpha; from ChIP assays were performed using MCF7 cells, treated with the ER agonist estradiol for 3 hours prior to harvesting. The antibody directed against ER alpha and optimized primer sets for qPCR. Sheared chromatin from 3 million cells and 5 ug of antibody were used per ChIP experiment. Recovery (%: ChIP/input) and occupancy (x fold: +ve/-ve) are shown in figure. QPCR was performed with primers for the GREB1 promoter and for exon 2 of the myoglobin gene, used as a negative control. Figure shows the recovery (the relative amount of immunoprecipitated DNA compared to input DNA) and the occupancy (ratio +/- control target). These results demonstrate the occupancy of the GREB1 promoter by ERalpha.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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