

Product Name: ESR1 Mouse Monoclonal Antibody
Catalog #: AMM80647



Summary

Production Name	ESR1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	ESR1
Alternative Names	ER; ESR; Era
Gene ID	2099.0
SwissProt ID	P03372.Purified recombinant fragment of ESR1 (aa301-595) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	66kDa

Background

ESR1: estrogen receptor 1. This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of

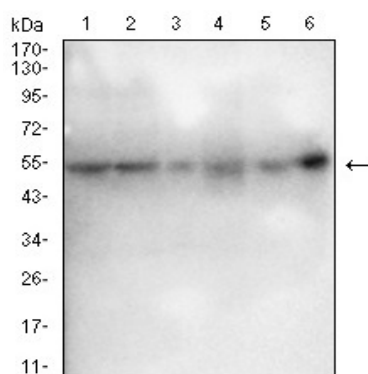
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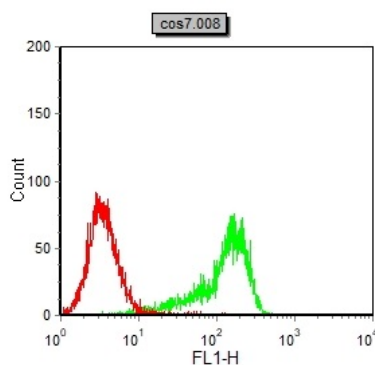
several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.

Research Area

Image Data

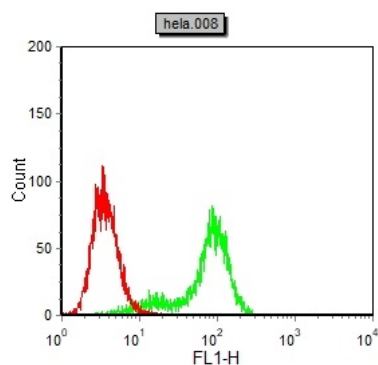


Western blot analysis using ESR1 mouse mAb against K652 (1), Jurkat(2) , PC-12 (3),HepG2(4) ,HEK293(5) , mouse brain(6) lysate.



Flow cytometric analysis of COS7 cells using ESR1 mouse mAb (green) and negative control (red).

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Flow cytometric analysis of hela cells using ESR1 mouse mAb (green) and negative control (red).

Note

For research use only.