
Product Name: ESR1 Mouse Monoclonal Antibody**Catalog #: AMM80696**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	66kDa

Antigen Information

Gene Name	ESR1
Alternative Names	ER; ESR; Era; ESRA; NR3A1
Gene ID	2099.0
SwissProt ID	P03372
Immunogen	Synthetic peptide corresponding to aa(SLQKYYITGEAEGFPATVc) of human ESR1, conjugated to KLH.

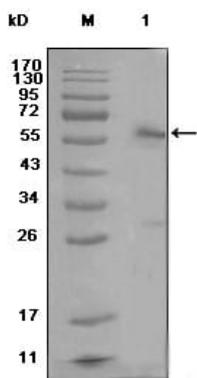
Background

ESR1: estrogen receptor 1. This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of 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 MCF-7 cell lysate (1)