



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to ERR1

**Catalog Number:** MAB-606020272

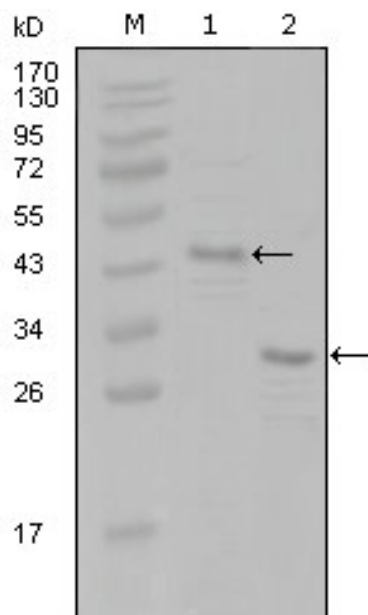


Figure 1: Western blot analysis using ESR1 mouse mAb against truncated Trx-ESR1 recombinant protein (1) and truncated ESR1(aa130-339)-His recombinant protein (2).

Lot#:  
Clone#: 8H9A10  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW:  
Aliases: ER; ESR; Era; ESRA  
Entrez Gene: 2099  
Species reactivity: Human

**Description** 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.

**Immunogen** Purified recombinant fragment of ESR1 (aa130-339) expressed in E. Coli.

**Application** Western Blotting: 1/500 - 1/2000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

**Related product**

**References** 1. Calcif Tissue Int. 2007 May;80(5):307-15.

**For Research Use Only**

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