



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to ESR1

**Catalog Number:** MAB-606030099

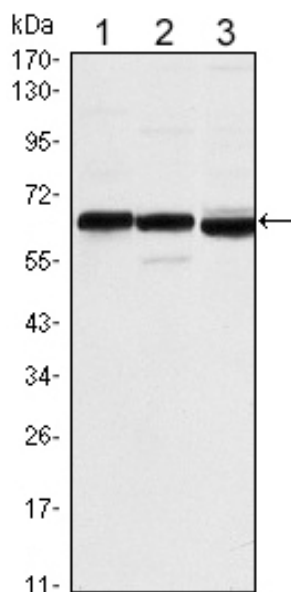


Figure 1: Western blot analysis using ESR1 mouse mAb against MCF-7 (1), T47D (2) and SKBR3 (3) cell lysate.

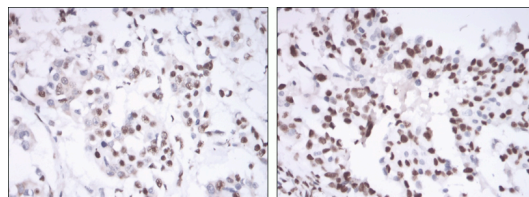


Figure 2: Immunohistochemical analysis of paraffin-embedded mammary cancer tissues using ESR1 mouse mAb with DAB staining.

Lot#:  
Clone#: 6B6  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 66kDa  
Aliases: ER; ESR; Era; ESRA; NR3A1; DKFZp686N23123; ESR1  
Entrez Gene: 2099  
Species reactivity: Human

**Description** 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 processes including breast cancer, endometrial cancer, and osteoporosis.

**Immunogen** Purified recombinant fragment of human ESR1 expressed in E. Coli

**Application** Western Blotting: 1/500 - 1/2000.  
Immunohistochemistry: 1/200 - 1/1000.  
Immunofluorescence: 1/200 - 1/1000.  
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. 2010 Jul;87(1):25-35.  
2. Arch Gynecol Obstet. 2010 Jun 18.  
3. Biochemistry. 2010 Jul 27;49(29):5978-88.

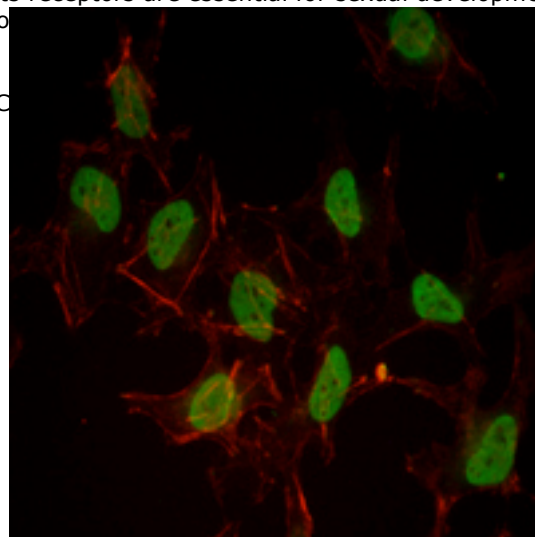


Figure 3: Immunofluorescence analysis of HeLa cells using ESR1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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