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# Recombinant Estrogen Receptor α Monoclonal Antibody

catalog number: AN300734L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human Estrogen Receptor α protein

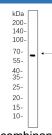
HostRabbitIsotype $IgG,\kappa$ CloneB673PurificationProtein A

**Buffer** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

**WB** 1:2000-1:10000

#### Data



Western Blot with Recombinant Estrogen Receptor  $\alpha$  Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:

MCF7 whole cell lysate.

Observed-MW:66 kDa

Calculated-MW:66 kDa

# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

ESR1(estrogen receptor 1) Homo sapiens 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 promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined.