

## ESR2

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**Reactivity:**Human

**Tested applications:**WB FC

**Recommended Dilution:**WB 1:500 - 1:1000 FC 1:20 - 1:50

**Calculated MW:**59kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human ESR2

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

kq

**Synonym:**

ER-BETA; ESR-BETA; ESRB; ESTRB; Erb; NR3A2

**Catalog #:**A0658

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**2100

**Isotype:**IgG

**Swiss Prot:**Q92731

**Purity:**Affinity purification

For research use only.

**Background:**

Estrogen receptor-beta (ESR2) is a member of the superfamily of nuclear receptors, which can transduce extracellular signals into transcriptional responses. It binds estrogens with an affinity similar to that of ESR1, and activates expression of reporter genes containing estrogen response elements (ERE) in an estrogen-dependent manner. DNA-binding by ESR1 and ESR2 is rapidly lost at 37 degrees Celsius in the absence of ligand while in the presence of 17 beta-estradiol and 4-hydroxy-tamoxifen loss in DNA-binding at elevated temperature is more gradual

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