

# ESR2 Polyclonal antibody

Catalog Number: 30694-1-AP

## Basic Information

**Catalog Number:**

30694-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG33524

**GenBank Accession Number:**

BC024181

**GeneID (NCBI):**

2100

**UNIPROT ID:**

Q92731

**Full Name:**

estrogen receptor 2 (ER beta)

**Calculated MW:**

59 kDa

**Observed MW:**

60 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:16000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB : MCF-7 cells, PC-3 cells, SH-SY5Y cells

## Background Information

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. ESR2 exists various isoform and range of calculated molecular weight of isoforms is 50-60 kDa.

## Storage

**Storage:**

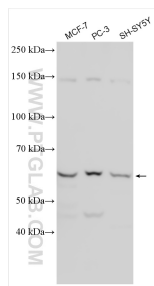
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30694-1-AP (ESR2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.