

For Research Use Only

ESR2 Polyclonal antibody

Catalog Number: 30694-1-AP



Basic Information

Catalog Number: 30694-1-AP	GenBank Accession Number: BC024181	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 2100	Recommended Dilutions: WB 1:2000-1:16000
Source: Rabbit	Full Name: estrogen receptor 2 (ER beta)	
Isotype: IgG	Calculated MW: 59 kDa	
Immunogen Catalog Number: AG33524	Observed MW: 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, PC-3 cells, SH-SY5Y cells
Species Specificity: Human	

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

*** 20ul sizes contain 0.1% BSA

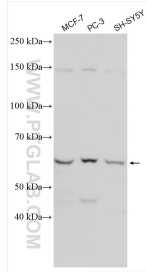
For technical support and original validation data for this product please contact:

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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.