Product datasheet

Anti-ESR2 Antibody

Catalog Number: ***A00786-1***

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-ESR2 Antibody
Gene Name	ESR2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human ESR2 recombinant protein (Position: F289-R501). Human ESR2 shares 93.4% and 93.9% amino acid (aa) sequence identity with mouse and rat ESR2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	59 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Estrogen receptor-beta (ESR2) is a member of the superfamily of nuclear receptors, which can transduce extracellular signals into transcriptional responses. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized.

Reference

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE

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Anti-ESR2 Antibody被引用在2文献中。

Selected Validation Data

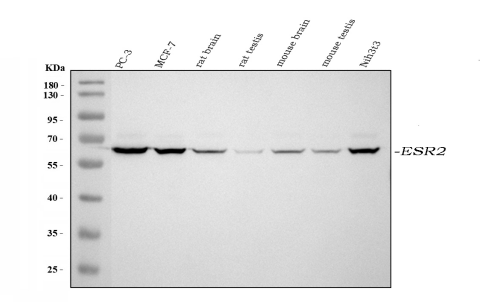

Figure 1. Western blot analysis of ESR2 using anti-ESR2 antibody (A00786-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: PC-3 whole cell lysates,
Lane 2: MCF-7 whole cell lysates,
Lane 3: rat brain tissue lysates,
Lane 4: rat testis tissue lysates,
Lane 5: mouse brain tissue lysates,
Lane 6: mouse testis tissue lysates,
Lane 7: NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ESR2 antigen affinity purified polyclonal antibody (A00786-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ESR2 at approximately 59 kDa. The expected band size for ESR2 is at 59 kDa.

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