

**Estrogen Receptor beta Antibody**  
**Rabbit mAb**  
**Catalog # AP90986****Specification**

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**Estrogen Receptor beta Antibody - Product Information**

|   |                        |
|---|------------------------|
| Application                                 | <b>WB, IHC</b>         |
| Primary Accession                           | <a href="#">O92731</a> |
| Clonality                                   | <b>Monoclonal</b>      |
| <b>Other Names</b>                          |                        |
| ESR2; ESTRB; Estrogen receptor beta; NR3A2; |                        |
| Isotype                                     | <b>Rabbit IgG</b>      |
| Host  | <b>Rabbit</b>          |
| Calculated MW                               | <b>59216 Da</b>        |

**Estrogen Receptor beta Antibody - Additional Information**

|                              |  |
|------------------------------|--|
| Purification                 | <b>Affinity-chromatography</b>   |
| Immunogen                    | <b>A synthesized peptide derived from human Estrogen Receptor beta</b>   |
| Description                  | <b>Nuclear hormone receptor. 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 (PubMed:20074560).</b> |
| Storage Condition and Buffer | <b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>   |

**Estrogen Receptor beta Antibody - Protein Information****Name** ESR2**Synonyms** ESTRB, NR3A2**Function**

Nuclear hormone receptor. Binds estrogens with an affinity similar to that of ESR1/ER-alpha, and activates expression of reporter genes containing estrogen response elements (ERE) in an estrogen- dependent manner (PubMed: [20074560](http://www.uniprot.org/citations/20074560)).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:19126643, ECO:0000269|PubMed:20074560}

### Tissue Location

[Isoform 1]: Expressed in testis and ovary, and at a lower level in heart, brain, placenta, liver, skeletal muscle, spleen, thymus, prostate, colon, bone marrow, mammary gland and uterus Also found in uterine bone, breast, and ovarian tumor cell lines, but not in colon and liver tumors.

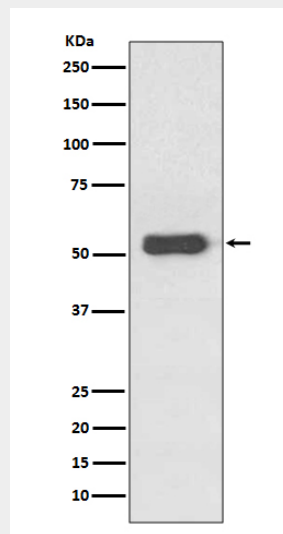
[Isoform 4]: Expressed in the testis. [Isoform 6]: Expressed in testis, placenta, skeletal muscle, spleen and leukocytes, and at a lower level in heart, lung, liver, kidney, pancreas, thymus, prostate, colon, small intestine, bone marrow, mammary gland and uterus. Not expressed in brain.

### Estrogen Receptor beta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Estrogen Receptor beta Antibody - Images



Western blot analysis of Estrogen Receptor beta expression in MCF-7 Cell Lysate.