

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

Estrogen Receptor beta Antibody - Product Information

Application	WB, IHC
Primary Accession	O92731
Clonality	Monoclonal
Other Names	
ESR2; ESTRB; Estrogen receptor beta; NR3A2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	59216 Da

Estrogen Receptor beta Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Estrogen Receptor beta
Description	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).
Storage Condition and Buffer	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.

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.

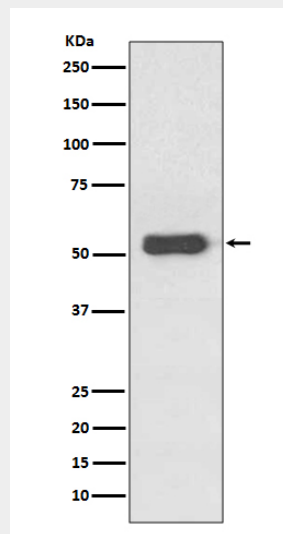
[Isoform 4]: Expressed in the testis. [Isoform 6]: Expressed in testis, placenta, skeletal muscle, spleen and leukocytes, and at a lower level in heart, lung, liver, kidney, pancreas, thymus, prostate, colon, small intestine, bone marrow, mammary gland and uterus. Not expressed in brain.

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.