

ESR2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP1702c**Specification**

ESR2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q92731](#)**ESR2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2100**Other Names**

Estrogen receptor beta, ER-beta, Nuclear receptor subfamily 3 group A member 2, ESR2, ESTRB, NR3A2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1702c](/products/AP1702c) was selected from the Center region of human ESR2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ESR2 Antibody (Center) Blocking Peptide - 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: <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.

ESR2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ESR2 Antibody (Center) Blocking Peptide - Images**ESR2 Antibody (Center) Blocking Peptide - Background**

ESR2 is a nuclear hormone receptor. The protein 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.

ESR2 Antibody (Center) Blocking Peptide - References

Chen H., Lin R.J.Cell 90:569-580(1997)Caira F., Antonson P.J. Biol. Chem. 275:5308-5317(2000)Bu H., Kashireddy P.Biochem. Biophys. Res. Commun. 317:54-59(2004)