

ER Monoclonal Antibody

Description

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| Product type | Primary Antibody |
| Code | BT-MCA0500 |
| Host | Mouse |
| Isotype | IgG |
| Size | 50ul, 100ul |
| Immunogen | Purified recombinant fragment of ER expressed in E. Coli. |
| Mol wt | N/A |
| Species reactivity | Human |
| Clonality | Monoclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | Estrogen receptor |
| Synonyms | ESR1; ESR; NR3A1; Estrogen receptor; ER; ER-alpha; Estradiol receptor; Nuclear receptor subfamily 3 group A member 1 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined.

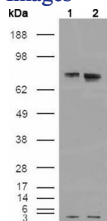
Recommended Dilution

ELISA: 1:10000

WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using ER Monoclonal antibody against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY ER cDNA (2).

Storage

-20°C for one year