

Anti human ER alpha mouse monoclonal antibody

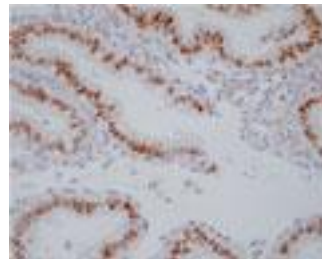
ER alpha: Estrogen Receptor alpha

| | |
|----------------------|--|
| Code No | PP-H4624-00 old No. 2ZH4624H |
| Clone No. | H4624 |
| Lot. | A-1 |
| Concentration | 1 mg/mL |
| Volume | 100 uL |
| Ig Class | G2a |
| Description | Estrogen receptor alpha (ERa, ER; NR3A1) is a member of steroid receptor (AR, GR, MR, PR). The natural ligand for ER is the classical estrogenic compound 17b-estradiol. ERa is expressed in a wide variety of tissues. Expression was found at variable levels in bones, in uterus, bladder, ovary, prostate, testis, epididymys, kidney, breast, heart, vessel wall, pituitary and hypothalamus. ER has a variety of central physiological roles, including those involved in maintenance of the reproductive, cardiovascular, musculoskeletal and central nervous systems. ERa has been shown to form homodimers as well as heterodimers with ERb. Both ERa and ERb can give rise to numerous isoforms. |
| Nomenclature | NR3A1 |
| Genbank | M12674 |
| Origin | Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human ER alpha (2-180 aa) . |
| Specificity | This antibody specifically recognizes human ER alpha and cross reacts with mouse and rat ER alpha. This antibody does not recognize human ER beta. |
| Purification | Ammonium sulfate fractionation |
| Formulation | Physiological saline with 0.1% NaN3 as a preservative. |

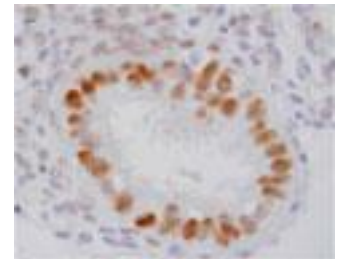
Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

| | |
|--------------------------------------|----------------------|
| Western Blot | 1 ug/mL |
| Non reducing Western Blot | Not yet tested |
| ELISA | 0.3 ug/mL (A450=0.3) |
| Immunoprecipitation | Decide by use |
| Supershift Assay | Not yet tested |
| Chromatin immunoprecipitation | Not yet tested |
| Immunohistochemistry | 10-20 ug/mL |



Human Uterus
Endometrial epithelium cell
paraffin section



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Endometrial epithelium cell
paraffin section

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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