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Anti human ER alpha mouse monoclonal antibody

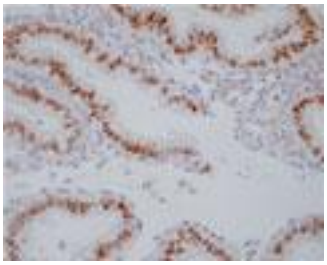
ER alpha: Estorgen Receptor alpha

Code No	PP-H4624-00 old No. 2ZH4624H
Clone No.	H4624
Lot.	A-2
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 humman 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.

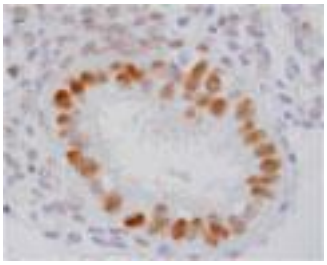
Application / Recommended Concentration

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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Storage	Store at 2 - 8 ºC 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.

MADE IN JAPAN

Aug 23, 2011