

Anti human ER beta mouse monoclonal antibody

ER beta: Estrogen Receptor beta

Code No	PP-PPZ0506-00 old No. 2ZPPZ0506H
Clone No.	PPZ0506
Lot.	A-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2b
Description	Estrogen receptor beta (ERb; NR3A2) is a member of steroid receptor. The natural ligand for ER is the classical estrogenic compound 17b-estradiol. ERb is expressed in granulosa cell layer of primary, secondary and mature follicles in the ovary, in bone, bladder, uterus, testis, epididymis, gastrointestinal tract, kidney, breast, heart, vessel wall, immune system, lung, pituitary, hippocampus and hypothalamus. Roles for ERb in the reproductive and cardiovascular systems have been reported, although these are the subject of conflicting reports. ERb has been postulated to act primarily as a modulator of ERa function. ERb has been shown to form homodimers as well as heterodimers with ERa. Both ERa and ERb can give rise to numerous isoforms.
Nomenclature	NR3A2
Genbank	AB006590
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 beta (2-88 aa) .
Specificity	This antibody specifically recognizes human ER beta but does not recognize human ER alpha. Not yet tested in other species.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN ₃ 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	0.2 ug/mL (A450=0.1)
Immunoprecipitation	Decide by use
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested
Immunohistochemistry	Not yet tested

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.

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

Dec 12, 2007