

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ERβ/NR3A2 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 1013506
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ERβ/NR3A2 Met1-Gly318 Accession # Q92731
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Estrogen Receptor beta (ERβ; NR3A2) is a member of the steroid receptor family. The natural ligand for ER is the classical estrogenic compound 17β-estradiol. ERβ is expressed in the 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 ERβ in the reproductive and cardiovascular systems have been reported, although these are the subject of conflicting reports. ERβ has been postulated to act primarily as a modulator of ERα function. ERβ has been shown to form homodimers as well as heterodimers with ERα. Both ERα and ERβ can give rise to numerous isoforms.

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