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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse anti Estrogen Receptor alpha/ER α /ERS1

nordicmubio.com/product/mouse-anti-estrogen-receptor-alphaer%ce%b1ers1/

Catalogue number: **MUB2054P**

Clone	AER304
Isotype	IgG1
Product Type	Primary Antibodies
Units	0.5ml
Host	Mouse
Species reactivity	Human
Application	Immunoblotting Immunocytochemistry Immunoprecipitation

Background

Estrogen receptor (ER) is a hormone binding molecule, which belongs to the nuclear hormone family of intracellular receptors. Estrogen receptors exist as alpha and beta forms encoded by separate genes ESR1 and ESR2. ER α and ER β share a high degree of sequence homology and are activated by the hormone 17 β -estradiol and related compounds, including phytoestrogens and xenoestrogens. Both ER α and ER β function as transcription factors which mediate many of the biological effects of estradiol at the level of gene regulation. Both receptors are involved in the normal development and function of numerous tissues. Studies also suggest that ER's may be involved in a range of pathological conditions including cancers, neurodegenerative diseases and cardiovascular disease.

Source

AER304 is a mouse monoclonal IgG1 antibody derived by fusion of Sp2/0-Ag14 mouse myeloma cells with splenocytes from a BALB/c mouse, immunized with estrogen receptor protein purified from calf uterus.

Product

Each vial contains 500 μ l 0.2 mg/ml purified monoclonal antibody in phosphated buffered saline (PBS) containing 50% glycerol + 0.2% bovine serum albumin (BSA) + 0.02% sodium azide.

Applications

The AER304 antibody is suitable for the detection of estrogen receptor alpha by western blotting, immunoprecipitation and immunocytochemistry. In western blotting, the antibody recognises a doublet of approximately 67 kDa in non-reducing conditions. Optimal antibody dilutions for the different applications should be determined by titration.

Specificity

The antibody AER304 is directed against estrogen receptor alpha (ER α) and recognises amino acids residues 120 – 170, an epitope located in the B domain of ER α .

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Abbondanza C. et al. (1993) Characterization and epitope mapping of a new panel of monoclonal antibodies to estradiol receptor. *Steroids*. 58: 4-12.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.