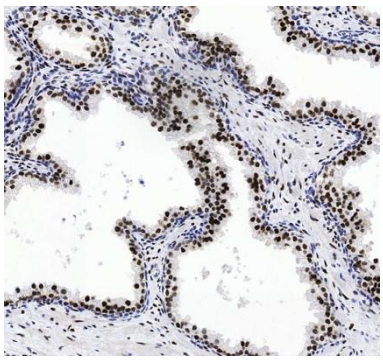
Androgen Receptor clone AR441

Instructions for Use

Specification:
This antibody recognizes a protein of 110kDa, which is identified as androgen receptor (AR). The androgen receptor is a member of the steroid superfamily of ligand-dependent transcription factors. It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors. The expression of AR is reportedly inversely correlated with histologic grade, i.e., well differentiated prostate tumors show higher expression than the poorly differentiated tumors. In prostate cancer, AR has been proposed, as a marker of hormone-responsiveness and thus it may be useful in identifying patients likely to benefit from anti-androgen therapy. Anti-androgen receptor has been useful clinically in differentiating morpheaform basal cell carcinoma (mBCC) form desmoplastic trichoepithelioma (DTE) in the skin.

Availability:

Catalog No.	Contents	Volume
ILM3670-C01	Androgen Receptor	0,1 ml concentrate
ILM3670-C05	Androgen Receptor	0,5 ml concentrate
ILM3670-C1	Androgen Receptor	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human

Clone: AR441

Species of origin: Mouse

Isotype: IgG1, Kappa

Control Tissue: Prostate carcinoma

Staining: Nuclear

Immunogen: A synthetic peptide, aa 299-315, (STEDTAEYSPFKGGYTK) of human AR

Presentation: Purified antibody from Bioreactor Concentrate with 0.05% BSA and 0.05% Azide.

Application and suggested dilutions:
Pre-treatment: Heat induced epitope 50 mM Tris buffer pH9.5, for 15 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:50-1:100)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

1) Jänne OA, et al. Androgen receptor and mechanism of androgen action. Ann Med, 1993.