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## 36-1316: Monoclonal Antibody to Androgen Receptor (Marker of Androgen Dependence)(Clone: AR441)

Clonality: Monoclonal
Clone Name: AR441
Application: FACS,IF,IHC
Reactivity: Human
Gene: AR
Gene ID: 367
Uniprot ID: P10275

Alternative Name: AR,DHTR,NR3C4
Isotype: Mouse IgG1, kappa

Purified

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

## **Description**

Format:

Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). 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) from desmoplastic trichoepithelioma (DTE) in the skin. This MAb is superb for staining of formalin/paraffin tissues.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

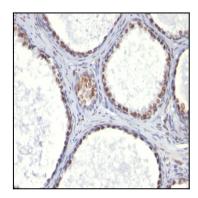
## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)



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 $Formal in-fixed,\ paraffin-embedded\ human\ Prostate\ Carcinoma\ stained\ with\ Androgen\ Receptor\ Monoclonal\ Antibody\ (AR441).$