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36-1319: Monoclonal Antibody to Androgen Receptor (Marker of Androgen Dependence)(AR441 + DHTR/882)

Clonality :	Monoclonal
Clone Name :	AR441 + DHTR/882
Application :	IHC
Reactivity :	Human
Gene :	AR
Gene ID :	367
Uniprot ID :	P10275
Format :	Purified
Alternative Name :	AR,DHTR,NR3C4
Isotype :	Mouse IgG1, kappa + Mouse IgG1, kappa
Immunogen Information :	A synthetic peptide, aa 299-315, (STEDTAEYSPFKGGYTK) of human AR (AR441); Recombinant human DHTR protein (DHTR/882)

Description

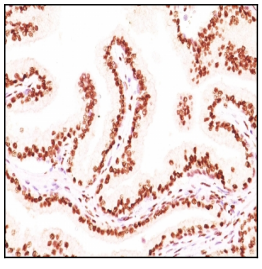
Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors. The expression of AR is reportedly inversely correlated with histologic 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

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 45 min at 95&degC followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Androgen Receptor Monoclonal Antibody (AR441 + DHTR/882).