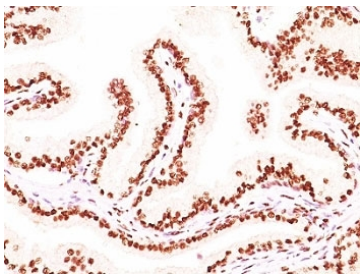
# Androgen Receptor Antibody Cocktail [clone AR441 + DHTR/882] (V2641)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2641-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2641-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2641SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2641IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | AR441 + DHTR/882 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P10275 |
| **Localization** | Nuclear |
| **Applications** | Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT |
| **Limitations** | This Androgen Receptor antibody cocktail is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Androgen Receptor antibody (AR441 + DHTR/882).

## Description

Recognizes a protein of 100kDa, 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.

For additional information on androgen receptor biology and complementary antibody validation, visit our Androgen Receptor Antibody CDF-1 / Steroid Hormone Receptor Antibody page.

## Application Notes

Optimal dilution of the Androgen Receptor antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Amino acids 302-318 (STEDTAEYSPFKGGYTK) of human AR (AR441) and recombinant human AR partial protein (aa 151-350, DHTR/882) were used as the immunogen for the Androgen Receptor antibody cocktail.

## Storage

Store the Androgen Receptor antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).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