**Antibody to Androgen Receptor**

**Cat. No. VP-A111**

**Product Specifications**

**Description:**
Androgen Receptor mouse monoclonal antibody

**Immunoglobulin class:** IgG1

**Clone:** 2F12

**Immunogen:** Recombinant protein of 321 amino acids corresponding to the amino-terminal region of the human androgen receptor.

**Epitope:** See Immunogen

**Presentation:**
Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1 ml of distilled water.

**Species cross-reactivity:** Human

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: Antigen unmasking recommended
- Frozen sections: Zamboni's fixation, 10 minutes at 25 °C.
- Working Dilution*: 1:25 for 1 hr. at 25 °C
- Positive Control: Prostatic carcinoma. Nuclear staining pattern

**Western blotting**
Not tested.

* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Androgen receptor binds male sex hormones (androgens) and functions in the nucleus probably as a transcriptional regulator to mediate the action of these hormones. Androgen receptor is found in a variety of tissues including prostate, skin and oral mucosa. It has also been described in certain tumor tissues. This antibody will help detect androgen receptor expression in normal and uncharacterized tissues.

**Selected References**

VP-A111 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.

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