

## Androgen Receptor clone EP120

### Rabbit Monoclonal Antibody

#### Instructions For Use

**Specification:**

Androgen Receptor belongs to the super-family of nuclear hormone receptors that employ complex molecular mechanisms to guide the development and physiological functions of their target tissues. Androgen Receptor function plays a pivotal role in normal prostate development and physiology as well as prostrate tumorigenesis. Androgen stimulates results in cell proliferation in both developing prostate and the malignant prostrate. Androgen Receptor is a phosphoprotein and also regulates mitogen-activated protein kinase (MAP Kinase). The inhibition of the MEK1/2 pathway correlates directly with a change in phosphorylation state of the androgen receptor. In prostate cancer, Androgen Receptor has been proposed as a marker of the hormone responsiveness.

**Availability:**

Catalog No.	Contents	Volume
ILM1201-C01	Androgen Receptor clone EP120	0,1 ml concentrate
ILM1201-C05	Androgen Receptor clone EP120	0,5 ml concentrate
ILM1201-C1	Androgen Receptor clone EP120	1,0 ml concentrate

**Intended use:** For Research Use Only

**Reactivity:** Human, others not known

**Clone:** EP120

**Species of origin:** Rabbit

**Isotype:** IgG

**Control tissue:** Prostate or breast carcinoma

**Staining:** Nuclear

**Immunogen:** Synthetic peptide derived from near N-terminus of human Androgen Receptor.

**Presentation:** Purified antibody is diluted in Tris-HCL buffer containing stabilizing protein and <0,1% Sodium Azide.

**Application and suggested dilutions:**

Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- 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-Rabbit 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) Collins LC, et al. Mod Pathol. 2011 ; 24 :924-31.
- 2) Rahmani AH, et al. Int. J. Mol EpidermioGenet. 2013;4:150-55
- 3) Leach, DA, et al. Cancers (Basal). 2017; 9:pil: E10