

Androgen Receptor (pSer 216)

Rabbit Polyclonal Antibody

Cat. #RB-9490-P1 (0.25ml at 200µg/ml) (Purified Ab with BSA and Azide)

Description:

Androgen receptor (AR) 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 prostate tumorigenesis. Androgen stimulation results in cell proliferation in both developing prostate and the malignant prostate. The transcriptional activity of the AR is modulated by a large and growing number of interacting proteins that function as co-activators and co-repressors. Androgen Receptor 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.

Mol. Wt. Of Antigen: 110 kDa

Epitope: aa 204-221

Species Reactivity: Human. Others not tested.

Immunogen: A synthetic peptide from around aa 204-221 of the human Androgen Receptor at a phosphorylation site of Serine 216.

Suggested Applications and Dilutions:

- Western blotting (Ab at 0.5-2.0µg/ml for 2hrs at RT)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Brain, heart

Cellular Localization: Cytoplasmic

Supplied As:

200µg/ml of antibody purified from rabbit serum by affinity purification. Prepared in 10mM PBS, pH 7.6, with 0.2% BSA and 15mM sodium azide.

Storage and Stability:

Store vial at 4⁰C. When stored at 2-8⁰C, this antibody is stable for 24 months.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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