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Phospho-AR-S650

Reactivity: Human

Tested applications:IHC

Recommended Dilution:IHC 1:50 - 1:100

Calculated MW:110kDa

Observed MW: Refer to Figures

Immunogen:

A phospho specific peptide corresponding to residues surrounding S650 of human AR

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

k

Synonym:

KD; AIS; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA;

Catalog #:AP0307

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:367

Isotype: IgG

Swiss Prot:P10275

Purity: Affinity purification

For research use only.

Background:

The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms have been described.

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