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## phospho-AR/Androgen receptor (Ser791) Rabbit pAb

Catalog Number: bs-12472R

Target Protein: phospho-AR/Androgen receptor (Ser791)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted:Sheep, Cow, Horse)

Predicted MW: 98 kDa

Entrez Gene: 367

Swiss Prot: P10275

Source: KLH conjugated synthetic peptide derived from human Androgen receptor isoform 2: HL(p-S)QE.

Purification: affinity purified by Protein A

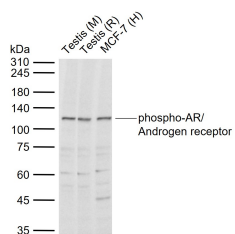
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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. [provided by RefSeq, Jul 2008]

### VALIDATION IMAGES

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Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Rat Testis tissue lysates Lane 3: Human MCF-7 cell lysates  
 Primary: Anti-phospho-AR/Androgen receptor (Ser791) (bs-12472R) at 1/1000 dilution Secondary:  
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 98 kDa Observed band size: 115  
 kDa