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Product datasheet for AP55780PU-N

Androgen Receptor (AR) pTyr363 Rabbit Polyclonal Antibody

Product data:

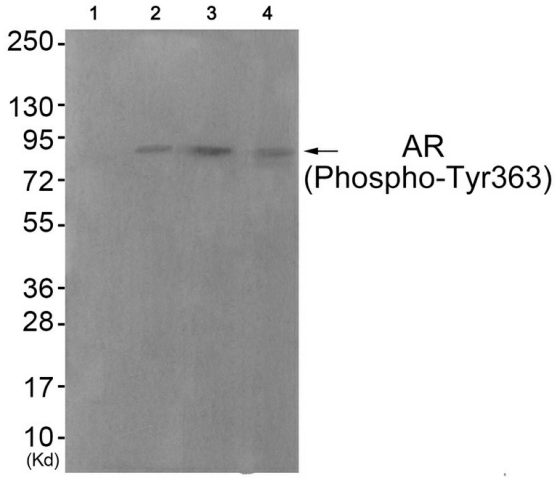
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot:** 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 363 (D-Y-Y(p)-N-F) derived from Human Androgen Receptor (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of Androgen Receptor only when phosphorylated at tyrosine 363.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	85 kDa
Gene Name:	androgen receptor
Database Link:	Entrez Gene 367 Human P10275

View online »

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.

Synonyms: Dihydrotestosterone receptor, DHTR, NR3C4

Product images:



Western blot analysis of extracts from HuvEc cells (Lane 2), COS7 cells (Lane 3) and JK cells (Lane 4), using Androgen Receptor (Phospho-Tyr363) Antibody. The lane on the left is treated with antigen-specific peptide.