Rabbit anti-Human Androgen Receptor Polyclonal Antibody | anti-AR antibody

Androgen Receptor (Phospho-Ser650) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29666	**Rabbit**	**Human**	**Western Blot, Immunohistochemistry**

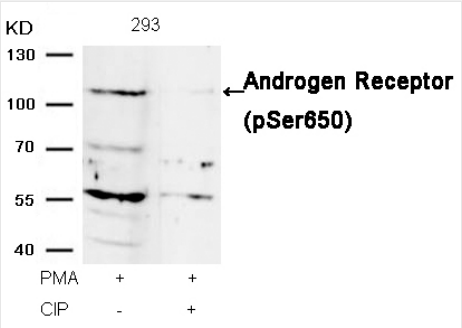
PRODUCT SYNONYMS

Androgen Receptor; Polyclonal Antibody; Androgen Receptor (Phospho-Ser650) Antibody; ANDR; DHTR; AR; anti-AR antibody

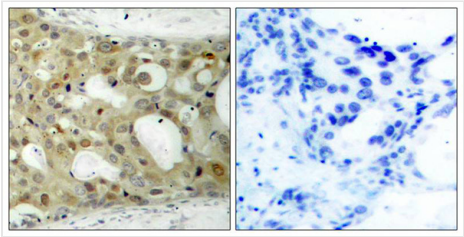
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of Androgen Receptor only when phosphorylated at serine 650.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	920
Applicable Applications for anti-AR antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Immunohistochemistry: 1:50~1:100
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 650 (T-T-S(p)-P-T) derived from Human Androgen Receptor.
Modification	Phospho
Target Name	Androgen Receptor
Preparation and Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from 293 cells, treated with PMA or calf intestinal phosphatase (CIP), using Androgen Receptor (Phospho-Ser650) Antibody (AAA29666).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Androgen Receptor (Phospho-Ser650) Antibody (AAA29666) (left) or the same antibody preincubated with blocking peptide (right).

ADDITIONAL INFORMATION

Related Product Information for anti-AR antibody	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.
Product Categories/Family for anti-AR antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	21322252
NCBI GeneID	367
NCBI Accession #	NP_000035.2
NCBI GenBank Nucleotide #	NM_000044.3
UniProt Accession #	P10275; Q9UD95; A2RUN2; B1AKD7
Molecular Weight	Predicted MW: 110kd
NCBI Official Full Name	androgen receptor isoform 1
NCBI Official Synonym Full Names	androgen receptor
NCBI Official Symbol	AR
NCBI Official Synonym Symbols	KD; AIS; AR8; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA
NCBI Protein Information	androgen receptor
UniProt Protein Name	Androgen receptor
UniProt Gene Name	**AR**
UniProt Synonym Gene Names	DHTR; NR3C4
UniProt Entry Name	ANDR_HUMAN