

#11120

Androgen Receptor (Phospho-Ser650) Antibody

Catalog: #11120-1 50µl **Orders:** order@signalwayantibody.com
#11120-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
IHC	Human	Rabbit Polyconal Ab	110KD

Description: 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 chromatography using non-phosphopeptide.

Recommended Dilutions:

Immunohistochemistry 1:50~1:100

Specificity: The antibody detects endogenous level of Androgen Receptor only when phosphorylated at serine 650.

Immunogen: Peptide sequence around phosphorylation site of serine 650 (T-T-S(p)-P-T) derived from Human Androgen Receptor.

Formulation: 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.

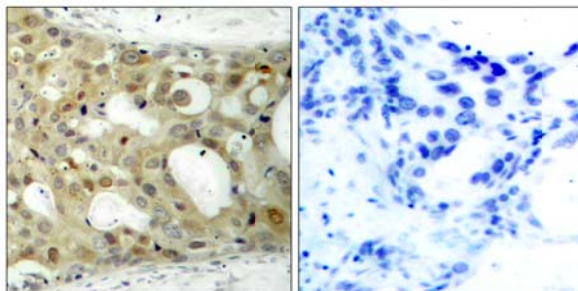
Synonyms: ANDR DHTR AR

Accession No.: Swiss-Prot#: P10275 NCBI Gene#: 367
NCBI Protein#: NP_000035.2

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.

References:

Brinkman, A.O. et al. (1999) J. Steroid. Biochem. Mol. Biol. 69, 307-313.
Avila, D.M. et al. (2001) J. Steroid. Biochem. Mol. Biol. 76, 135-142.
Montgomery, J.S. et al. (2001) J. Pathol. 195, 138-146.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Androgen Receptor (Phospho-Ser650) Antibody #11120 (left) or the same antibody preincubated with blocking peptide (right).

Citation: If you publish research using #11120 please [let us know](#).

Related Pathway: Receptors

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

This product is for in vitro research use only and is not intended for use in humans or animals.