

#21105

Androgen Receptor (Ab-650) Antibody

Catalog: #21105-1 50µl **Orders:** order@signalwayantibody.com
#21105-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB	Human	Rabbit Polyclonal Ab	110KD

Description: Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Specificity: The antibody detects endogenous level of total Androgen Receptor protein.

Immunogen: Peptide sequence around aa.648~652 (T-T-S-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.

Citation:

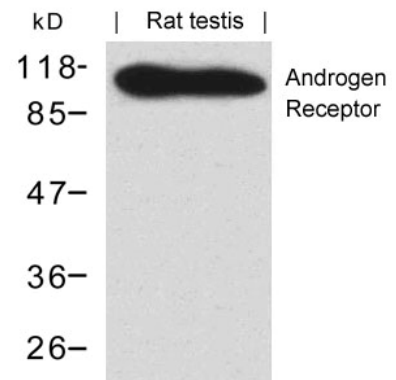
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Related Pathway: Receptor

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.

Recommended Dilutions:

Western blotting 1:500~1:1000



Western blot analysis of extracts from Rat testis tissue using Androgen Receptor (Ab-650) Antibody #21105.