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Anti-Androgen Receptor pY267 (RABBIT) Antibody

Androgen Receptor phospho Y267 Antibody
Catalog # ASR5737

Specification

Anti-Androgen Receptor pY267 (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**Anti-Androgen Receptor antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~99kDa corresponding to the appropriate cell lysate or extract.**
Physical State	**Liquid (sterile filtered)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Anti-Androgen Receptor pY267 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of human ANDR protein.**
Stabilizer	**30% Glycerol**

Anti-Androgen Receptor pY267 (RABBIT) Antibody - Additional Information

Gene ID 367

Purity
Anti-Androgen Receptor pY267 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human and chimpanzee based on 100% sequence homology. Cross-reactivity with Androgen Receptor pY267 from other sources has not been determined.

Storage Condition
Store AR Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

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Anti-Androgen Receptor pY267 (RABBIT) Antibody - Protein Information

Name AR

Synonyms DHTR, NR3C4

Function
Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues (PubMed:19022849). Transcription factor activity is modulated by bound coactivator and corepressor proteins like ZBTB7A that recruits NCOR1 and NCOR2 to the androgen response elements/ARE on target genes, negatively regulating androgen receptor signaling and androgen-induced cell proliferation (PubMed:20812024). Transcription activation is also down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.

Cellular Location
Nucleus. Cytoplasm Note=Detected at the promoter of target genes (PubMed:25091737) Predominantly cytoplasmic in unligated form but translocates to the nucleus upon ligand-binding. Can also translocate to the nucleus in unligated form in the presence of RACK1.

Tissue Location
[Isoform 2]: Mainly expressed in heart and skeletal muscle.

Anti-Androgen Receptor pY267 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Androgen Receptor pY267 (RABBIT) Antibody - Images

Anti-Androgen Receptor pY267 (RABBIT) Antibody - Background

Androgen Receptor detects human Androgen receptor. The androgen receptor (AR) is an ~110 kDa androgen-dependent transcription factor that is a member of the steroid/nuclear receptor gene superfamily. The AR signaling pathway plays a key role in development and function of male reproductive organs, including the prostate and epididymis. AR also plays a role in nonreproductive organs, such as muscle, hair follicles, and brain. Abnormalities in the AR signaling pathway have been linked to a number of diseases, including prostate cancer, Kennedy's disease and male infertility. The PI3K/Akt signaling pathway plays an important role in regulating AR activity through phosphorylation of AR at Ser213/210 and Ser791/790. Growth factors or cytokines may induce phosphorylation of AR through the PI3K/Akt pathway. Activation of the PI3K/AKt pathway is thought to have a survival role in prostate cancer by protecting cells from apoptosis. Anti-Androgen Receptor Antibody is ideal for investigators involved in neuroscience, cytokines and growth factors, and transcription factors.