

Androgen Receptor (pY363) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51656

Specification

Androgen Receptor (pY363) Antibody - Product Information

Application	WB, E
Primary Accession	P10275
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110 KDa

Androgen Receptor (pY363) Antibody - Additional Information

Gene ID 367

Other Names

Androgen receptor, Dihydrotestosterone receptor, Nuclear receptor subfamily 3 group C member 4, AR, DHTR, NR3C4

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Androgen Receptor (pY363) 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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.

Androgen Receptor (pY363) 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 Cytometry](#)
- [Cell Culture](#)

Androgen Receptor (pY363) Antibody - Images**Androgen Receptor (pY363) Antibody - Background**

Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Transcription factor activity is modulated by bound coactivator and corepressor proteins. Transcription activation is down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.

Androgen Receptor (pY363) Antibody - References

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Chang C., et al. Proc. Natl. Acad. Sci. U.S.A. 85:7211-7215(1988).
Tilley W.D., et al. Proc. Natl. Acad. Sci. U.S.A. 86:327-331(1989).
Lubahn D.B., et al. Proc. Natl. Acad. Sci. U.S.A. 86:9534-9538(1989).
Govindan M.V., et al. Mol. Endocrinol. 4:417-427(1990).