10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Androgen Receptor (Phospho-Y363) Antibody

Catalog # AP51656

Product Information

Application	WB
Primary Accession	P10275
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99188

Additional Information

Gene ID	367
Other Names	DHTR; NR3C4; Androgen receptor; DIHCydrotestosterone receptor; Nuclear receptor subfamily 3 group C member 4
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y363 of human Androgen Receptor protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

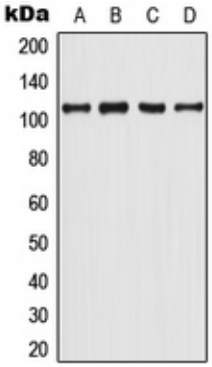
Name	AR
Synonyms	DHTR, NR3C4
Function	Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues (PubMed:19022849). Transcription factor activity is modulated by bound coactivator 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.

References

Lubahn D.B.,et al.Mol. Endocrinol. 2:1265-1275(1988).
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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).

Images



Western blot analysis of Androgen Receptor (Phospho-Y363) expression in LNCaP (A), MCF7 UV-treated (B), mouse spleen (C), rat spleen (D) whole cell lysates. (Predicted band size: 99; 110 kD; Observed band size: 110 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.