

# Androgen Receptor Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from N-terminus of rat AR
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10984711

Applications	Tested Dilution	Publications
Western Blot (WB)	5 µg/mL	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	2 µg/mL	2 Publications
Immunoprecipitation (IP)	10 µg/mL	-

## Product Specific Information

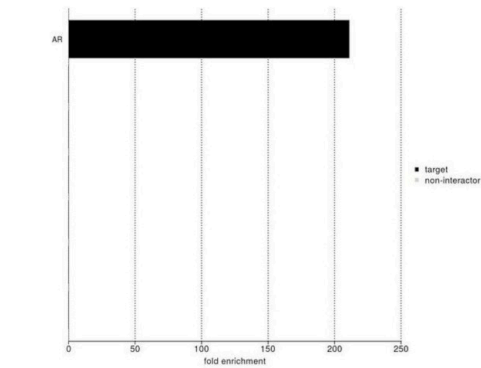
PA5-16363 targets Androgen Receptor in IP and WB applications and shows reactivity with mouse, Rat, and Human samples.

The PA5-16363 immunogen is a synthetic peptide derived from N-terminus of rat AR.

Product Images For Androgen Receptor Polyclonal Antibody

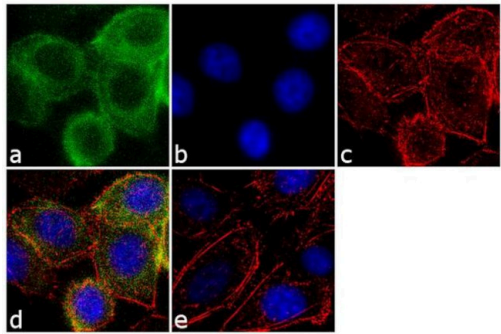
Androgen Receptor Antibody (PA5-16363)

IP-MS enrichment of AR (LFQ intensity): AR was enriched 211-fold from LNCAP lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and AR antibody (Product # PA5-16363). The STRING database ([www.string-db.org](http://www.string-db.org)) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}



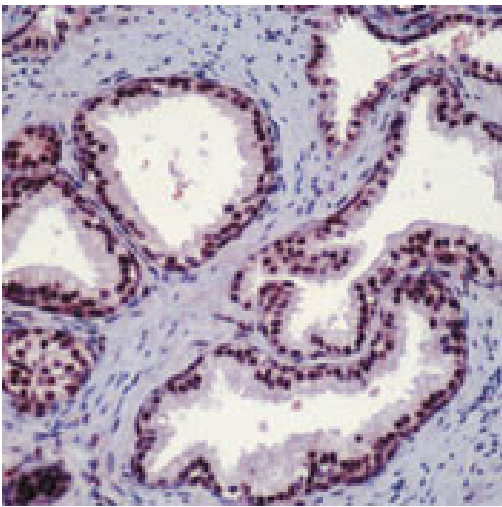
Androgen Receptor Antibody (PA5-16363) in ICC/IF

Immunofluorescence analysis of Androgen receptor was performed using 70% confluent log phase PC-3 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Androgen Receptor Rabbit Polyclonal Antibody (Product # PA5-16363) at 2µg /mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



Androgen Receptor Antibody (PA5-16363) in IHC (P)

Formalin-fixed, paraffin-embedded Human breast cancer tissue stained with Androgen Receptor using peroxidase-conjugate and AEC chromogen.



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### Immunohistochemistry (1)

Andrologia

#### Testosterone administration to adult rats differentially modulates androgen and oestrogen receptor- expression in reproductive organs and pituitary.

"PA5-16363 was used in immunohistochemistry and western blot to study the effect of testosterone administration on androgen and oestrogen receptor-alpha expression in reproductive organs and pituitary of rats"

Authors: Kaushik MC,Misro MM,Sehgal N,Nandan D

Year  
2012

Species  
Rat

Dilution  
1:100

### Immunocytochemistry (2)

Scientific reports

#### Altered hormonal milieu and dysregulated protein expression can cause spermatogenic arrest in ectopic xenografted immature rat testis.

"PA5-16363 was used in Western Blotting to investigate the underlying causes of spermatogenic arrest in rats."

Authors: Goel S,Minami N

Year  
2019

Species  
Rat

Dilution  
1:100

PloS one

#### Targeting androgen receptor/Src complex impairs the aggressive phenotype of human fibrosarcoma cells.

"PA5-16363 was used in immunocytochemistry to study the inhibition of the aggressive phenotype of a human fibrosarcoma cell line by disruption of the interaction between the AR and Src tyrosine kinase"

Authors: Castoria G,Giovannelli P,Di Donato M,Hayashi R,Arra C,Appella E,Auricchio F,Migliaccio A

Year  
2014

Species  
Human

Dilution  
1:100

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