

Androgen Receptor Monoclonal Antibody (AR 441)

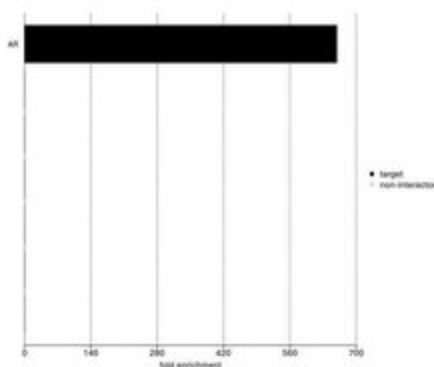
Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Yeast, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	AR 441
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to Human Androgen Receptor aa 299-315
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_11000751

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:25-1:50	1 Publication
Immunofluorescence (IF)	1:25-1:50	-
Immunohistochemistry (Paraffin) (IHC (P))	1:25	-
Immunoprecipitation (IP)	1:25-1:50	2 Publications
Western Blot (WB)	1:100-1:200	28 Publications
ChIP assay (ChIP)	-	1 Publication
Immunohistochemistry (IHC)	-	29 Publications

Product Specific Information

MA5-13426 targets Androgen Receptor in ICC/IF, IHC (P), IP, and WB applications and shows reactivity with human samples.

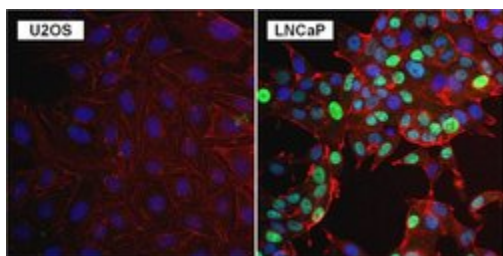
Advanced Verification Data



Androgen Receptor Antibody (MA5-13426)

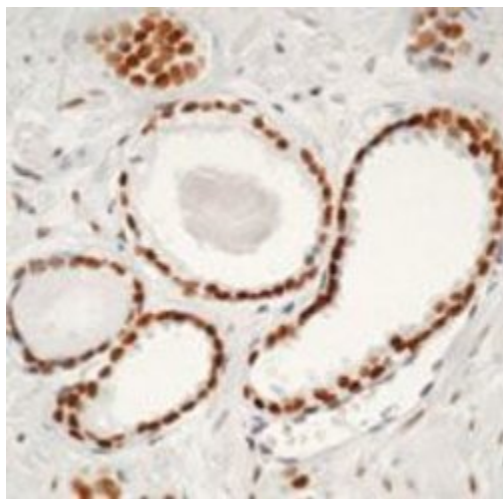
IP-MS enrichment of AR (LFQ intensity): AR was enriched 659-fold from LNCaP lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and AR antibody (Product # MA5-13426). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For Androgen Receptor Monoclonal Antibody (AR 441)



Androgen Receptor Antibody (MA5-13426) in IF

Immunofluorescent analysis of Androgen Receptor (green) in LNCaP (right panel) and negative control U2OS cells (left panel). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with an Androgen Receptor monoclonal antibody (Product # MA5-13426) at a dilution of 1:50 for at least 1 hour at room temperature, washed with PBS, and incubated with a DyLight 488-conjugated goat anti-mouse IgG secondary antibody (Product # 35502) at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight-554 Phalloidin (Product # 21834) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



Androgen Receptor Antibody (MA5-13426) in IHC

Formalin-fixed, paraffin-embedded human prostate stained with Androgen Receptor antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of glandular epithelial cells.

[View more figures on thermofisher.com](http://thermofisher.com)

61 References

Western Blot (28)

BMC cancer

The role of sialomucin CD164 (MGC-24v or endolyn) in prostate cancer metastasis.

"MA5-13426 was used in western blot to study the role of sialomucin CD164 in prostate cancer metastasis"

Authors: Havens AM, Jung Y, Sun YX, Wang J, Shah RB, Bühring HJ, Pienta KJ, Taichman RS

Species
Human

Dilution
1:50

Year
2006

Journal of cellular physiology

The Androgen Receptor Regulates PPAR Expression and Activity in Human Prostate Cancer Cells.

"MA513426 was used in western blot to test if the androgen receptor modulates peroxisome proliferator activated receptor gamma expression and function within human prostate cancer cells"

Authors: Olokpa E, Bolden A, Stewart LV

Species
Human

Dilution
1:400

Year
2016

[View more WB references on thermofisher.com](#)

Immunohistochemistry (29)

BJU international

Co-assessment of cytoplasmic and nuclear androgen receptor location in prostate specimens: potential implications for prostate cancer development and prognosis.

"MA5-13426 was used in immunohistochemistry to examine the prognostic significance of cytoplasmic and nuclear androgen receptor location in prostate cancer"

Authors: Diallo JS, Aldejmah A, Mouhim AF, Fahmy MA, Koumakpayi IH, Sircar K, Bégin LR, Mes-Masson AM, Saad F

Species
Human

Dilution
1:250

Year
2008

The British journal of nutrition

The effects of short-term genistein intervention on prostate biomarker expression in patients with localised prostate cancer before radical prostatectomy.

"MA5-13426 was used in immunohistochemistry to study the effects of short-term genistein intervention on the expression of prostate biomarkers in patients with localised prostate cancer"

Authors: Lazarevic B, Hammarström C, Yang J, Ramberg H, Diep LM, Karlsen SJ, Kucuk O, Saatcioglu F, Taskèn KA, Svindland A

Species
Human

Dilution
Not Cited

Year
2012

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

ICC (1)

IP (2)

ChIP (1)

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