

# Androgen Receptor Monoclonal Antibody (AR 441)

Catalog Number MA5-13426

Product Data Sheet

Details		Species Reactivity	
Size	500µL	Tested species reactivity	Human
Host / Isotype	Mouse / IgG1	Published Species Reactivity	Human, Mouse, Yeast
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Immunocytochemistry (ICC)	1:25-1:50
Clone	AR 441	Immunofluorescence (IF)	1:25-1:50
Immunogen	Synthetic peptide corresponding to Human Androgen Receptor aa 299-315	Immunohistochemistry (Paraffin) (IHC (P))	1:25
Conjugate	Unconjugated	Immunoprecipitation (IP)	2 ug
Form	Liquid	Western Blot (WB)	1:100-1:200
Concentration	0.1mg/ml	Published Applications	
Purification	Protein G	Immunohistochemistry (IHC)	See 29 publications below
Storage Buffer	PBS, pH 7.4, with 0.2% BSA	Western Blot (WB)	See 26 publications below
Contains	0.09% sodium azide	Immunoprecipitation (IP)	See 1 publications below
Storage Conditions	4° C	ChIP assay (ChIP)	See 1 publications below
		Immunocytochemistry (ICC)	See 1 publications below

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

## Product Specific Information

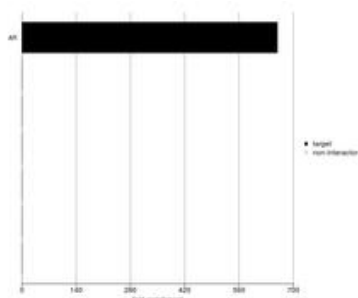
MA5-13426 targets Androgen Receptor in ICC/IF, IHC (P), IP, and WB applications and shows reactivity with human samples.

## Background/Target Information

The expression of AR is reportedly inversely correlated with histologic grade i.e. well differentiated prostate tumors show higher expression than the poorly differentiated tumors. In prostate cancer, AR has been proposed as a marker of hormone-responsiveness.

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## Target Verification



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 (Part No. 90409) and AR antibody (Part No. MA5-13426). 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.

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