

# Androgen Receptor Monoclonal Antibody (AN1-15)

## Product Details

Size	50 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Rat, Non-human primate, Human, Mouse
Host/Isotype	Rat / IgG
Class	Monoclonal
Type	Antibody
Clone	AN1-15
Conjugate	Unconjugated
Immunogen	A fusion protein corresponding to residues 331-572 of human androgen receptor.
Form	Lyophilized
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325419

Applications	Tested Dilution	Publications
Western Blot (WB)	1:50-1:500	2 Publications
Immunohistochemistry (IHC)	-	9 Publications
Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/mL	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	2-4 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-
Gel Shift (GS)	Assay-dependent	2 Publications

## Product Specific Information

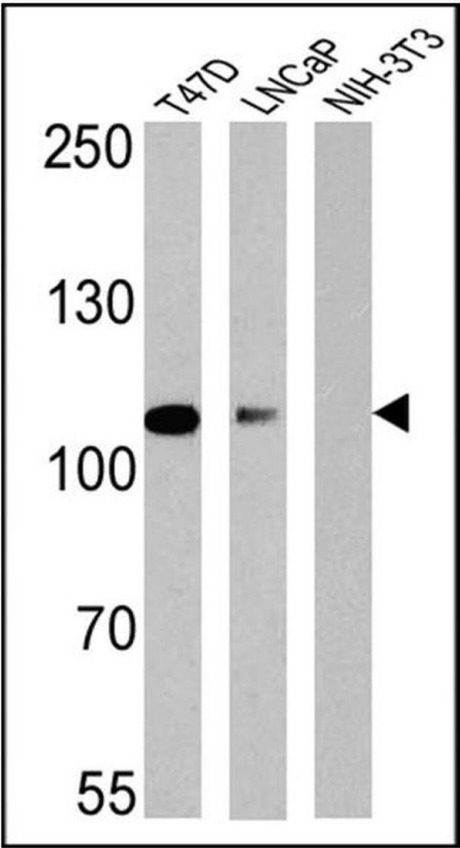
MA1-150 detects androgen receptor from human, Rhesus monkey, rat and mouse tissues. This product does not cross-react with estrogen, progesterone, or glucocorticoid receptors.

MA1-150 has been successfully used in Western blot, immunocytochemistry, immunohistochemistry, gel shift, and immunoprecipitation procedures. By Western blot, this antibody detects an ~110 kDa protein representing androgen receptor in rat tissues. Immunohistochemical staining of androgen receptor in primate hypothalamus with MA1-150 results in intense nuclear staining.

The MA1-150 immunogen is a fusion protein corresponding to residues 331-572 of human androgen receptor.

Reconstitute with PBS.

Product Images For Androgen Receptor Monoclonal Antibody (AN1-15)



**Androgen Receptor Antibody (MA1-150) in WB**

Western blot analysis of Androgen Receptor was performed by loading 25 µg of T47D (lane 1), LNCaP (lane 2) and NIH-3T3 (lane 3) lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with an Androgen Receptor monoclonal antibody (Product # MA1-150) at a dilution of 1:100 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~110 kDa in T47D and LNCaP lysates.

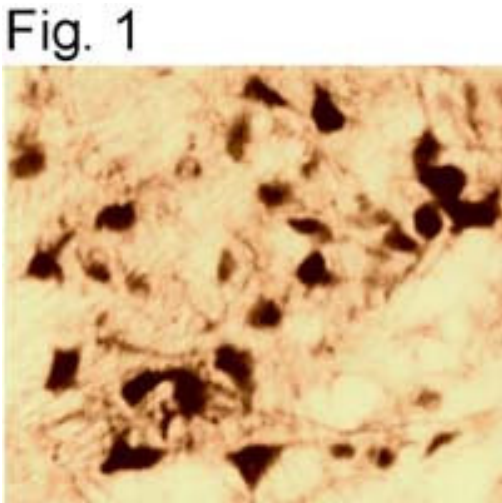
**Androgen Receptor Antibody (MA1-150) in IHC (P)**

Immunohistochemistry analysis of Androgen Receptor showing staining in the cytoplasm of formalin-fixed, paraffin-embedded human prostate tissue (B) and magnified section (C) compared with an isotype control (A). To expose target proteins, antigen retrieval was performed using HEIR with a buffer (pH 6.2). Tissues were probed with an Androgen Receptor monoclonal antibody (Product # MA1-150) for 60 minutes at a dilution of 2 µg/mL and detection was performed using an HRP-conjugated mouse anti-rat secondary antibody for 45 minutes followed by DAB staining.



**Androgen Receptor Antibody (MA1-150) in IHC**

Immunolocalization of androgen receptor in primate brain using Product # MA1-150.



Western Blot (2)

<p>Molecular endocrinology (Baltimore, Md.)</p> <p><b>Differential regulation of gonadotropin-releasing hormone secretion and gene expression by androgen: membrane versus nuclear receptor activation.</b></p> <p>"MA1-150 was used in western blot to investigate the effect of androgen on gonadotropin-releasing hormone secretion and gene expression."</p> <p>Authors: Shakil T,Hoque AN,Husain M,Belsham DD</p>	<p>Year 2002</p> <p>Species Mouse</p>
<p>The Journal of cell biology</p> <p><b>Cyclin E as a coactivator of the androgen receptor.</b></p> <p>"MA1-150 was used in western blot to study the relationship between cyclin E ad androgen receptor."</p> <p>Authors: Yamamoto A,Hashimoto Y,Kohri K,Ogata E,Kato S,Ikeda K,Nakanishi M</p>	<p>Year 2000</p> <p>Species Human</p>

Immunohistochemistry (9)

<p>Toxicology reports</p> <p><b>Effects of lead acetate on testicular function and caspase-3 expression with respect to the protective effect of cinnamon in albino rats.</b></p> <p>"MA1-150 was used in Immunohistochemistry to investigate the protective effects of cinnamon on lead acetate induced reproductive toxicities in rats."</p> <p>Authors: Elgawish RAR,Abdelrazek HMA</p>	<p>Year 2023</p> <p>Species Rat</p>
<p>The Journal of clinical endocrinology and metabolism</p> <p><b>The Cortisol Response of Male and Female Choroidal Endothelial Cells: Implications for Central Serous Chorioretinopathy.</b></p> <p>"MA1-150 was used in Immunohistochemistry to show that the marked response of particular target genes in endothelial cells to cortisol, such as ZBTB16, warrants further investigation into their potential role in the pathophysiology of CSC and other vascular conditions."</p> <p>Authors: Brinks J,van Dijk EHC,Kiebasa SM,Mei H,van der Veen I,Peters HAB,Sips HCM,Notenboom RGE,Quax PHA, Boon CJF,Meijer OC</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:500</p>

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- IHC (P) (1)
- ICC/IF (1)
- GS (2)

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