

Androgen Receptor Monoclonal Antibody (AN1-15)

Product Details

Size	50 µg
Species	Human, Mouse, Non-human primate, Rat
Published Species	Rat, Non-human primate, Mouse, Human
Expression System	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
Gel Shift (GS)	Assay dependent	2 Publications
Immunocytochemistry (ICC)	5 µg/mL	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	2-4 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/mL	1 Publication
Immunoprecipitation (IP)	Assay dependent	-
Western Blot (WB)	1:50-1:500	2 Publications
Immunohistochemistry (IHC)	-	6 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.

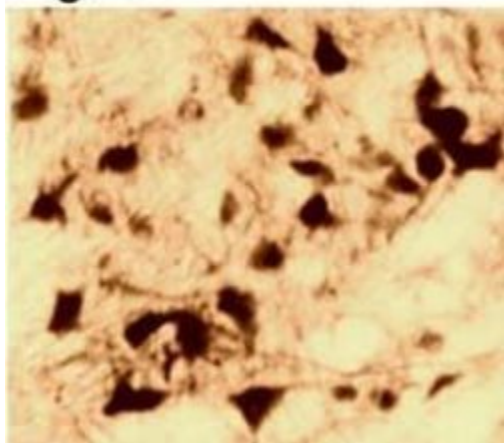
Product Images For Androgen Receptor Monoclonal Antibody (AN1-15)

Androgen Receptor Antibody (MA1-150) in 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.



Fig. 1

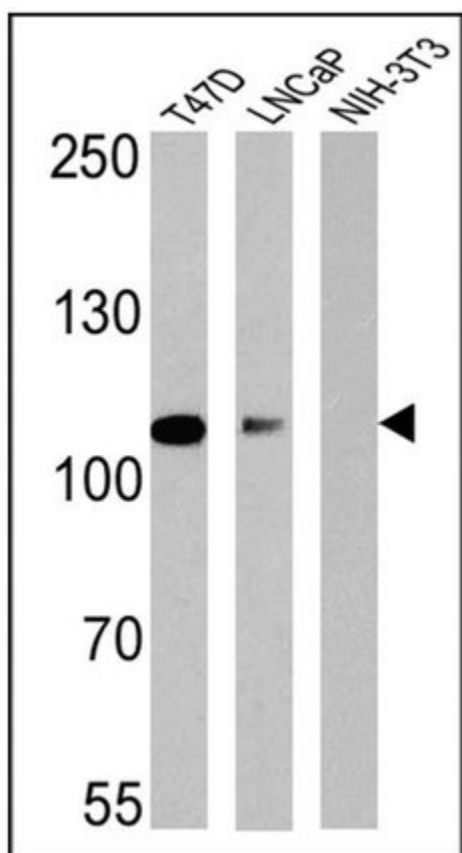


Androgen Receptor Antibody (MA1-150) in IHC

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

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.



12 References

Immunohistochemistry (6)

Toxicology reports

Effects of lead acetate on testicular function and caspase-3 expression with respect to the protective effect of cinnamon in albino rats.

"MA1-150 was used in Immunohistochemistry to investigate the protective effects of cinnamon on lead acetate induced reproductive toxicities in rats."

Authors: Elgawish RAR,Abdelrazek HMA

Species
Rat

Dilution
Not Cited

Year
2020

Frontiers in behavioral neuroscience

The Impact of Hippocampal Sex Hormones Receptors in Modulation of Depressive-Like Behavior Following Chronic Anabolic Androgenic Steroids and Exercise Protocols in Rats.

"MA1-150 was used in Immunohistochemistry to evaluate alterations in depressive-like behaviours in rats following chronic administration of a supraphysiological dose of anabolic androgenic steroids, as well as exposure to a prolonged exercise protocol."

Authors: Selakovic D,Joksimovic J,Jovicic N,Mitrovic S,Mihailovic V,Katanic J,Milovanovic D,Pantovic S,Mijailovic N, Rosic G

Species
Rat

Dilution
Not Cited

Year
2020

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

Immunohistochemistry (Paraffin) (1)

Reproductive biology

Ameliorating effects of green tea extract on cadmium induced reproductive injury in male Wistar rats with respect to androgen receptors and caspase- 3.

"MA1150 was used in immunohistochemistry - paraffin section to study the protective role of green tea extract on cadmium chloride-induced reproductive toxicities in rats"

Authors: Abdelrazek HM,Helmy SA,Elsayed DH,Ebaid HM,Mohamed RM

Species
Rat

Dilution
Not Cited

Year
2016

Western Blot (2)

Molecular endocrinology (Baltimore, Md.)

Differential regulation of gonadotropin-releasing hormone secretion and gene expression by androgen: membrane versus nuclear receptor activation.

"MA1-150 was used in western blot to investigate the effect of androgen on gonadotropin-releasing hormone secretion and gene expression."

Authors: Shakil T,Hoque AN,Husain M,Belsham DD

Species
Mouse

Dilution
Not Cited

Year
2002

More applications with references on thermofisher.com

GS (2)

ICC (1)

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