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Anti-Androgen Receptor AR Rabbit Monoclonal Antibody

Catalog Number: M00542-2

Overview

Product Name	Anti-Androgen Receptor AR Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Androgen Receptor AR Rabbit Monoclonal Antibody catalog # M00542-2. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal CDF-1
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P10275

Technical Details

Immunogen	A synthesized peptide derived from human Androgen Receptor
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200

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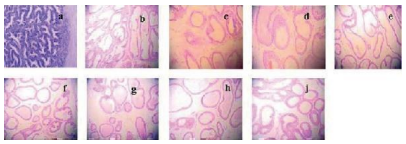
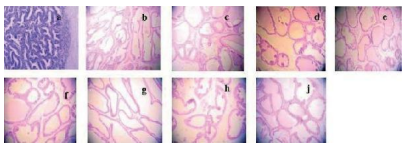
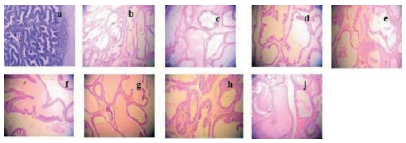
Anti-Androgen Receptor AR Rabbit Monoclonal Antibody (M00542-2) Images



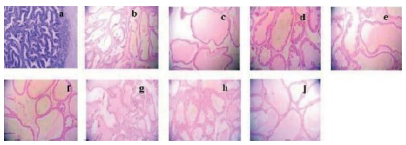
Effect of E 2 on prostate pathology when TP was 0.15 mg/kg/rat. Compared with the control (a) and castrated control (b) group, the area of prostate glandular cavity and the height of prostate epithelia had no obvious change. 7 groups which were all administered TP 0.15 mg/kg, and E 2 were 0 (c), 0.4 (d), 2.0 (e), 10 (f), 50 (g), 250 (h) and 1250μg/kg (j). Magnification ×100.Index in PubMed under a CC BY license. PMID: 21206625



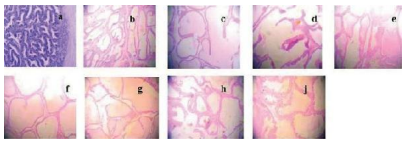
Effect of E 2 on prostate pathology when TP was 0.74 mg/kg/rat. Control group is picture (a) and castrated control group is picture (b). And the other 7 groups which were all administered TP 0.74 mg/kg/rat, and E 2 were 0 (c), 0.4 (d), 2.0 (e), 10 (f), 50 (g), 250 (h) and 1250μg/kg (j). Compared with the control (a) and castrated control (b) group, the area of prostate glandular cavity of the last thee groups (g, h, and j) increased significantly. Magnification ×100.Index in PubMed under a CC BY license. PMID: 21206625



Effect of E 2 on prostate pathology when TP was 3.7 mg/kg/rat. Control group is picture (a) and castrated control group is picture (b). And the other 7 groups which were all administered TP 3.7 mg/kg/rat, and E 2 were 0 (c), 0.4 (d), 2.0 (e),10 (f), 50 (g), 250 (h), 1250μg/kg (j). Compared with control group (a), the area of prostate glandular cavity were significant differences. Magnification ×100.Index in PubMed under a CC BY license. PMID: 21206625



Effect of E 2 on prostate pathology when TP was 18.5 mg/kg/rat. Control group is picture (a) and castrated control group is picture (b). And the other 7 groups which were all administered TP 18.5 mg/kg/rat, and E 2 were 0 (c), 0.4 (d), 2.0 (e), 10 (f), 50 (g), 250 (h) and 1250 μg/kg (j). Compared with the control group (a), the area of prostate glandular cavity were all significant differences. Magnification ×100.Index in PubMed under a CC BY license. PMID: 21206625



Effect of E 2 on prostate pathology when TP was 92.6 mg/kg/rat. Control group is picture (a) and castrated control group is picture (b). And the other 7 groups which were all administered TP 92.6 mg/kg/rat, and E 2 were 0 (c), 0.4 (d), 2.0 (e), 10 (f), 50 (g), 250 (h) and 1250μg/kg (j). Compared with the castrated control group (a), the area of prostate glandular cavity were all significant differences. Magnification ×100.Index in PubMed under a CC BY license. PMID: 21206625

Western blot analysis of Androgen Receptor using anti-

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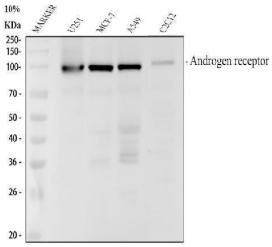
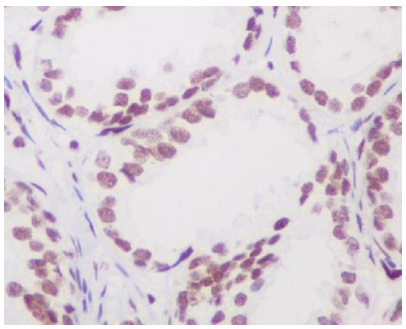
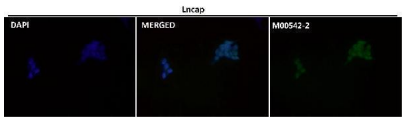


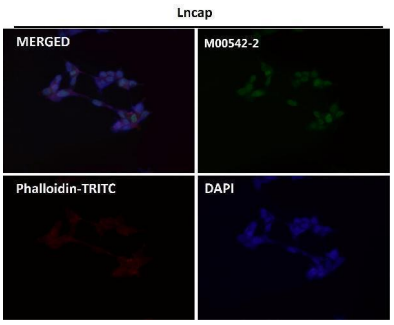
Androgen Receptor antibody (M00542-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human U251 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: mouse C2C12 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Androgen Receptor antigen affinity purified monoclonal antibody (M00542-2) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:1000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Androgen Receptor at approximately 110-120 kDa. The expected band size for Androgen Receptor1 is at 99 kDa.



Immunohistochemical analysis of paraffin-embedded human prostate, using Androgen Receptor Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.

Immunofluorescent analysis of MCF7 cells, using Androgen Receptor Antibody .

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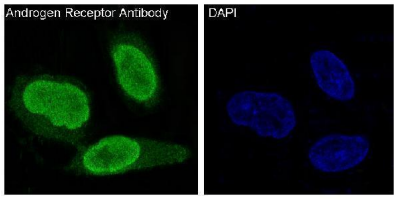

3 Publications Citing This Product

1. PubMed ID: 27073450, Changes in mitotic reorientation and Wnt/AR signaling in rat prostate epithelial cells exposed to subchronic testosterone

2. PubMed ID: 25667651, Zhang Y, Shen Y, Cao B, Yan A, Ji H. Exp Ther Med. 2015 Mar;9(3):905-908. Epub 2014 Dec 19. Elevated Expression Levels Of Androgen Receptors And Matrix Metalloproteinase-2 And -9 In 30 Cases Of Hepatocellular Carcinoma Compared With Adjacent Tissu...

3. PubMed ID: 26798404, Yangjing Capsule Ameliorates Spermatogenesis in Male Mice Exposed to Cyclophosphamide

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