

Product Datasheet

Androgen R/NR3C4 Antibody

NB100-1446

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-1446

Androgen R/NR3C4 Antibody

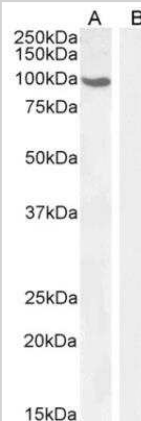
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	99 kDa

Product Description	
Host	Goat
Gene ID	367
Gene Symbol	AR
Species	Human, Equine, Feline
Reactivity Notes	Feline and Equine reactivity reported from a verified customer review.
Specificity/Sensitivity	This antibody is expected to recognize isoform 1 (NP_000035.2) only.
Immunogen	Peptide with sequence EVQLGLGRVYPRPPSC corresponding to N-Terminus according to NP_000035.2.

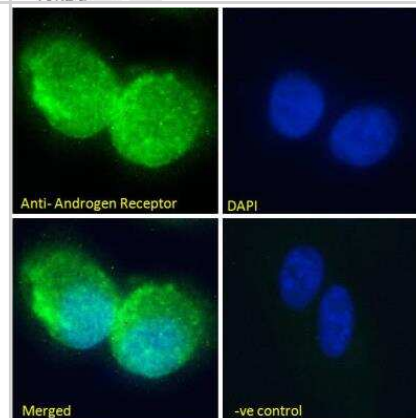
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1-0.5ug/ml, Immunohistochemistry 2 - 3 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 2-3 ug/ml, Peptide ELISA Detection limit 1:64000, Chromatin Immunoprecipitation (ChIP)
Application Notes	ChIP: A 6-fold increased presence of the FKBP5 locus observed when comparing the precipitations using Goat Anti-Androgen Receptor with non-specific goat IgG to bring down Androgen Receptor in a chromatin lysate from DHT-stimulated HEC50 cells. WB: Approx. 95 kDa band observed in human brain and human heart lysates (calculated MW of 99 kDa band according to NP_000035). IHC-P: Human prostate shows nuclear staining in the secretory cells of the gland.

Images

Western Blot: Androgen R/NR3C4 Antibody [NB100-1446] - Staining of Human Cerebellum (A) and (0.1ug/ml) negative control Pancreas (B) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



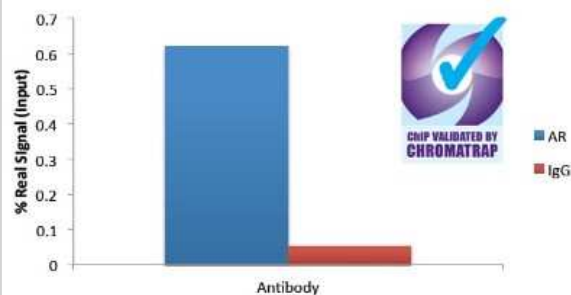
Immunocytochemistry/Immunofluorescence: Androgen R/NR3C4 Antibody [NB100-1446] - Analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



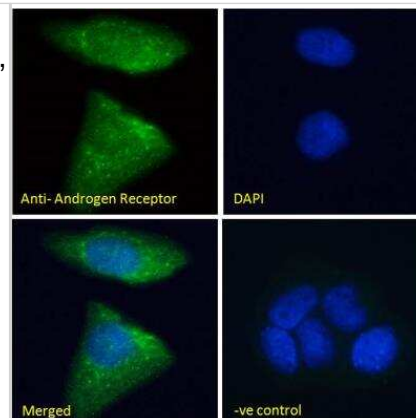
Immunohistochemistry-Paraffin: Androgen R/NR3C4 Antibody [NB100-1446] - (2ug/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



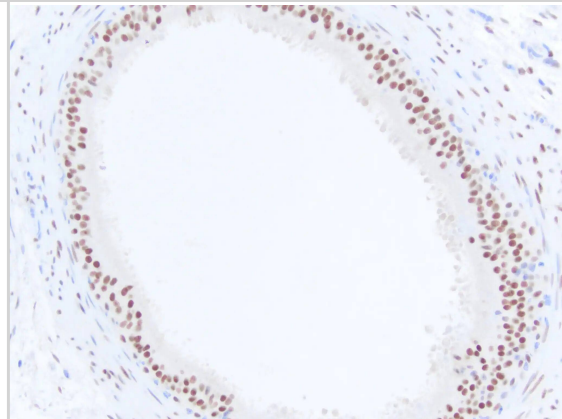
Chromatin Immunoprecipitation: Androgen R/NR3C4 Antibody [NB100-1446] - (Protein G) measuring FKBP5 enrichment.



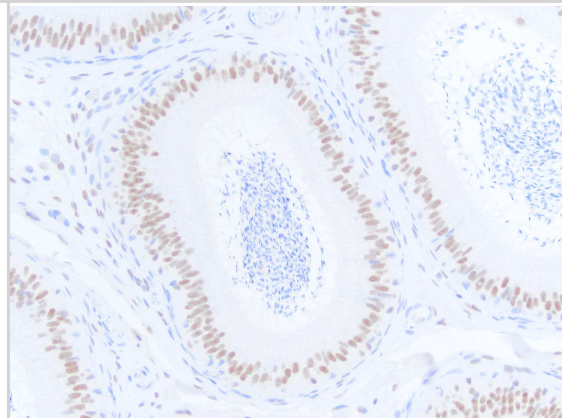
Immunocytochemistry/Immunofluorescence: Androgen R/NR3C4 Antibody [NB100-1446] - Analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



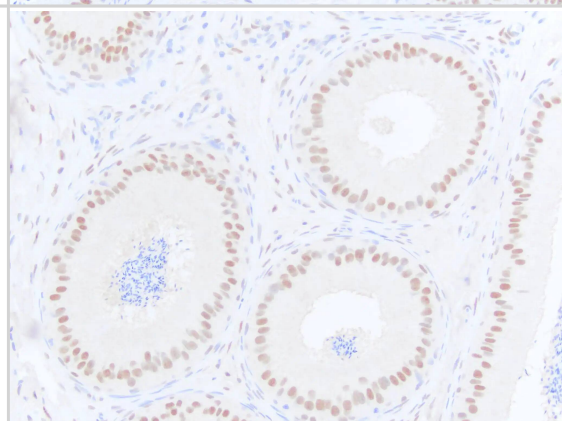
Immunohistochemistry-Paraffin: Goat Polyclonal Androgen R/NR3C4 Antibody [IMGGENEX: IMG-3238] [NB100-1446] - Androgen receptor immunoreactivity in equine epididymis. NB100-1446 was diluted to 1 ug/mL and left on tissue sections for 30 min at room temperature. Immunoreactivity was best demonstrated with heat induced epitope retrieval using an EDTA based solution. Image from a verified customer review.



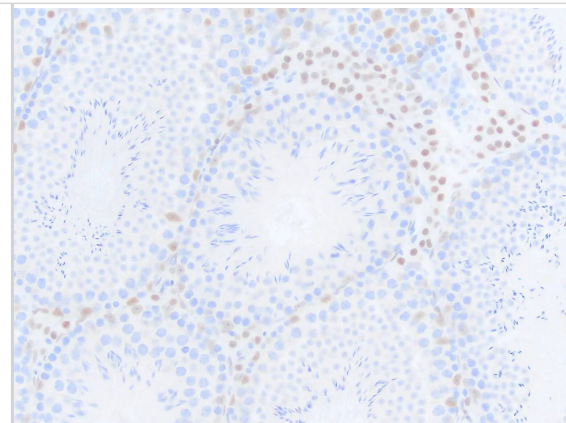
Immunohistochemistry-Paraffin: Goat Polyclonal Androgen R/NR3C4 Antibody [IMGGENEX: IMG-3238] [NB100-1446] - Androgen receptor immunoreactivity in canine epididymis. NB100-1446 was diluted to 1 ug/mL and left on tissue sections for 30m at room temperature. Immunoreactivity was best demonstrated with heat induced epitope retrieval in an EDTA based buffer. Image from a verified customer review.



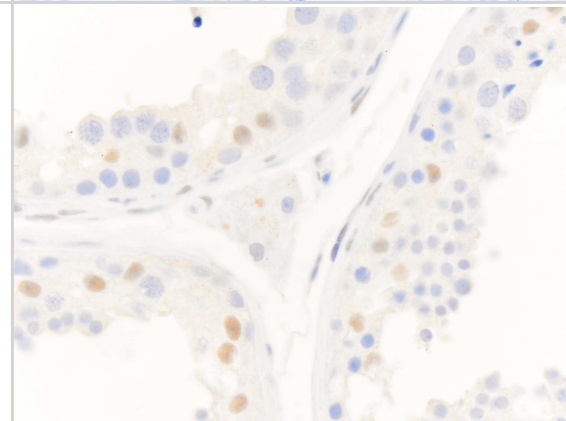
Immunohistochemistry-Paraffin: Goat Polyclonal Androgen R/NR3C4 Antibody [IMGGENEX: IMG-3238] [NB100-1446] - Androgen receptor immunoreactivity in feline epididymis. NB100-1446 was diluted to 1 ug/mL and left on tissue sections for 30m at room temperature. Immunoreactivity was best demonstrated with heat induced epitope retrieval in an EDTA based buffer. Image from a verified customer review.



Immunohistochemistry-Paraffin: Goat Polyclonal Androgen R/NR3C4 Antibody [IMGGENEX: IMG-3238] [NB100-1446] - Androgen receptor immunoreactivity in mouse testis. NB100-1446 was diluted to 1 ug/mL and left on tissue sections for 30m at room temperature. Immunoreactivity was best demonstrated with heat induced epitope retrieval in an EDTA based buffer. Image from a verified customer review.



Immunohistochemistry-Paraffin: Goat Polyclonal Androgen R/NR3C4 Antibody [IMGGENEX: IMG-3238] [NB100-1446] - Androgen receptor immunoreactivity in human testis. NB100-1446 was diluted to 1ug per mL and left on tissue sections for 30m at room temperature. Immunoreactivity was best demonstrated with heat-induced epitope retrieval in an EDTA-based solution. Image from a verified customer review.



Publications

Zhang D, Fan J, Liu H et al. Testosterone enhances taurine synthesis by upregulating androgen receptor and cysteine sulfinic acid decarboxylase expressions in male mouse liver American journal of physiology. Gastrointestinal and liver physiology 2023-04-01 [PMID: 36749568]

Trapman J, Klaassen P, Kuiper GG et al. Cloning, structure and expression of a cDNA encoding the human androgen receptor. Biochem Biophys Res Commun 1988-05-31 [PMID: 3377788]



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Products Related to NB100-1446

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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