

Product datasheet for **AM06392SU-N**

Androgen Receptor (AR) Mouse Monoclonal Antibody [Clone ID: 2H8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2H8
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human AR expressed in E. Coli.
Specificity:	This antibody reacts to Androgen receptor.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	110 kDa
Gene Name:	androgen receptor
Database Link:	Entrez Gene 367 Human P10275



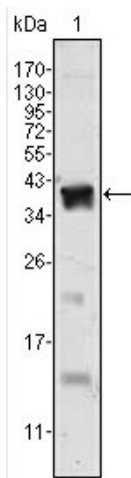
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Background:

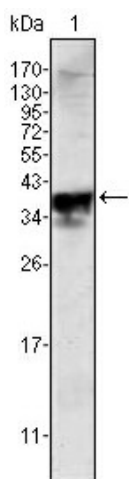
The androgen receptor (AR), also known as NR3C4 (nuclear receptor subfamily 3, group C, member 4), is a type of nuclear receptor which is activated by binding of either of the androgenic hormones testosterone or dihydrotestosterone in the cytoplasm and then translocating into the nucleus. The androgen receptor is most closely related to the progesterone receptor, and progestins in higher dosages can block the androgen receptor. The main function of the androgen receptor is as a DNA binding transcription factor which regulates gene expression; however, the androgen receptor has other functions as well. Androgen regulated genes are critical for the development and maintenance of the male sexual phenotype.

Synonyms:

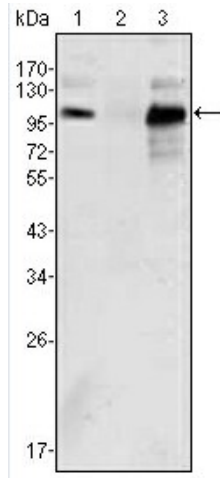
Dihydrotestosterone receptor, DHTR, NR3C4

Product images:


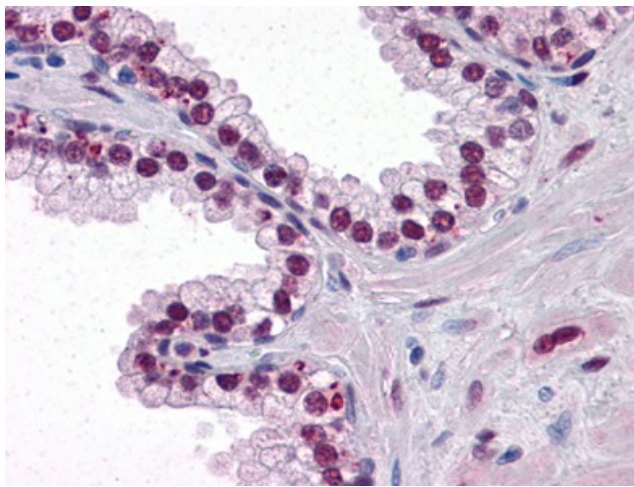
Western blot analysis using Androgen receptor mAb against human Androgen receptor (AA: 221-321) recombinant protein. (Expected MW is 40 kDa)



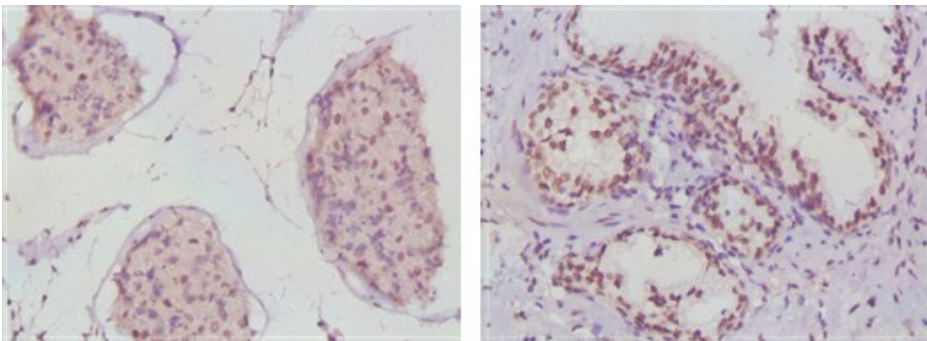
Western blot analysis using Androgen receptor mouse mAb against Androgen receptor (aa221-321)-hlgGfc transfected HEK293 cell lysate.



Western blot analysis using Androgen receptor mouse mAb against K562 (1), Jurkat (2) and LNCaP (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded human Prostate tissues using Androgen receptor mouse mAb



Immunohistochemical analysis of paraffin-embedded human human testis (left) and prostate cancer (right) tissues using Androgen Receptor mouse mAb with DAB staining.