

# Androgen Receptor Antibody

**ALTERNATE NAMES:** AR; DHTR; NR3C4; Androgen receptor; Dihydrotestosterone receptor; Nuclear receptor subfamily 3 group C member 4

**CATALOG #:** 6710-100

**AMOUNT:** 100 µl

**HOST/ISOTYPE:** Rabbit IgG

**IMMUNOGEN:** This Androgen Receptor (ANDR) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-392 amino acids from human Androgen Receptor (ANDR).

**PURIFICATION:** This antibody is purified through a protein A column, followed by peptide affinity purification.

**MOLECULAR WEIGHT:** ~98.99 kDa

**FORM:** Liquid

**FORMULATION:** Supplied in PBS with 0.09% (W/V) sodium azide.

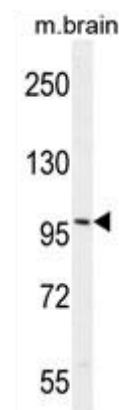
**SPECIES REACTIVITY:** Human, Mouse. Predicted reactivity with pig and monkey.

**STORAGE CONDITIONS:** Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

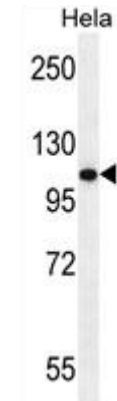
**DESCRIPTION:** Androgens exhibit a wide range of effects on the development, maintenance and regulation of male phenotype and reproductive physiology in males. The androgen receptor (AR) is a member of the steroid superfamily of ligand-dependent transcription factors. ARs bind active testosterone (T) and dihydrotestosterone (DHT). The rates of association and dissociation of T are about 3 times more rapid than those of DHT. This difference in binding kinetics may account for the different physiological effects of T and DHT. Androgen binding results in an at least 6-fold increase in androgen receptor stability.

**APPLICATION:** Western blot: ~1:1000, IHC: ~1:10-1:50

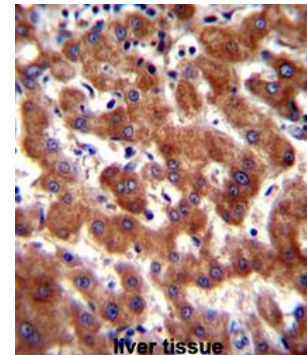
**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



ANDR (Cat # 6710-100) western blot analysis in mouse brain tissue lysates (35 µg/lane). This demonstrates the AR antibody detected the AR protein (arrow).



ANDR (Cat # 6710-100) western blot analysis in HeLa cell lysates (35 µg/lane). This demonstrates the AR antibody detected the AR protein (arrow).



Androgen Receptor Antibody (ANDR) (Cat. # 6710-100) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Androgen Receptor Antibody (ANDR) for immunohistochemistry. Clinical relevance has not been evaluated.

## RELATED PRODUCTS:

- Androgen Receptor Antibody (Clone 549CT16.1.4) (Cat. No. 6711-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**