



Anti-Androgen Receptor (AR)

Catalogue no: 700008

Applications: ChIP

Concentration: 1mg/ml

Size: 100ul

Specificity: Human

Source: Sheep

Type: Polyclonal

Purification: Protein G (affinity purified)

Storage: +2- +8°C (Do not freeze as this may denature the antibody)

Background:

The androgen receptor (AR) is a steroid hormone receptor involved in the signalling of testosterone. It is a regulatory gene that controls gene expression through binding to androgen receptor elements (AREs). The AR is associated with both normal prostate and cancerous prostate cell growth at abnormal levels of the gene (Lamb et al, 2014, BJUI). Androgens are also heavily involved in the pathogenesis of endometrial cancer (D.A. Gibson et al, 2014, Endocr Relat Cancer). DHT (dihydrotestosterone) is a natural androgen hormone that can activate the androgen receptor (Mostaghel, 2014, IJBS).

Immunogen:

Recognises peptide sequence at the N-terminus of AR of human origin.

Buffer:

Affinity Purified Liquid IgG fraction in PBS 0.05% azide & 1% BSA & 30% glycerol.

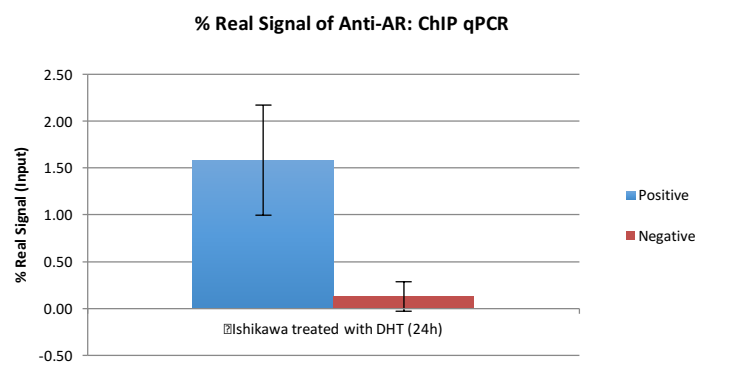
Applications:

Application	Suggested Dilution	Figure
Chromatin Immunoprecipitation	2ug: 1ug (antibody: chromatin)	1

Please note: Optimal antibody dilutions should be determined by the user. These volumes are stated as guidelines only.

Fig 1. AR ChIP qPCR

Chromatin immunoprecipitation (ChIP) assays were performed using the Chromatrap® standard ChIP spin column sonication kit for qPCR (Cat no. 500071) with 1ug of chromatin from Ishikawa cells treated with DHT (testosterone) for 24h and 2ug of Anti- AR antibody. qPCR was used to analyse the enrichment of AR onto the positive gene locus compared to the negative gene locus.



Advancements in Epigenetics

*This product is for research use only. There is a possibility that results may vary between antibody lots.