Datasheet: MCA6308

Description:	RABBIT ANTI ANDROGEN RECEPTOR
Specificity:	ANDROGEN RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM254
Isotype:	IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/1000 - 1/2500
Western Blotting	▪			1/100 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin
50% Glycerol

Immunogen

A peptide corresponding to the N-terminus of androgen receptor

External Database Links

UniProt:

P10275 Related reagents

Entrez Gene:

367 AR Related reagents

Synonyms	DHTR, NR3C4
Specificity	**Rabbit anti Human androgen receptor antibody** recognizes androgen receptor (AR), also known as Dihydrotestosterone receptor (DHTR), NR3C4. Androgen Receptor is a ligand-activated transcription factor that belongs to a large family of nuclear receptor proteins. Unbound Androgen Receptor resides predominately in the cytoplasm as a heteromeric complex with hsp90 and other chaperone proteins. Circulating testosterone is converted to dihydrotestosterone (DHT) which binds to androgen receptor in the cytoplasm, releasing androgen receptor from its inhibition with HSPs and allowing translocation to the nucleus, where androgen receptor can initiate transcription of its target genes (Tan et al. 2015). Androgen signaling plays a role in pathogenesis of prostate cancer, and gonadal depletion of androgens is a central therapy for advanced prostate cancer. However, progression to castration-resistant prostate cancer has led to development of therapies that directly target the androgen receptor (Dai et al. 2017) Androgen receptor also seems to play a major role in carcinogenesis of triple negative breast cancer (TNBC), a very aggressive cancer type which comprises 15 to 20% of all breast cancers (Gerratana et al. 2018).
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6308 10048
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488, DyLight®680, DyLight®800

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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