

Datasheet: VPA00046KT

Description:	ANDROGEN RECEPTOR ANTIBODY WITH CONTROL LYSATE
Specificity:	ANDROGEN RECEPTOR
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	20µl Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Immunogen	Peptide with sequence EVQLGLGRVYPRPPSC from the N-terminus of the androgen receptor.
External Database Links	UniProt: P10275 Related reagents

Entrez Gene:

[367](#) AR [Related reagents](#)

Synonyms	DHTR, NR3C4
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Specificity	<p>Goat anti Human androgen receptor antibody recognizes the human androgen receptor (AR), also known as the dihydrotestosterone receptor or nuclear receptor subfamily 3 group C member 4. AR is a ligand-activated transcription factor that belongs to a large family of nuclear receptor proteins. Unbound AR resides predominately in the cytoplasm as a heteromeric complex with hsp90 and other chaperone proteins. These chaperone proteins maintain AR in a form that is receptive to ligand binding. Upon ligand binding, AR recruits a variety of factors including coactivators and mediator proteins whose enzymatic activities promote chromatin remodeling and transcriptional regulation of target genes leading to cell differentiation, survival, and proliferation.</p> <p>Mutated AR is strongly implicated in development of prostate adenocarcinoma and metastases development.</p> <p>Goat anti Human androgen receptor antibody recognizes androgen receptor as a single band of approximately 110 kDa in LNCaP cell lysates by western blotting under reducing conditions.</p>
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Western Blotting	Goat anti androgen receptor detects a band of approximately 110 kDa in LNCaP cell lysates.
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Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
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Lysate Composition	400µg LNCaP lysate lyophilized in RIPA buffer.
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Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
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Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
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Guarantee	As supplied, 12 months from date of despatch.
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
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Health And Safety	Material Safety Datasheet documentation #10058 #10561 available at:
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Information Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [HRP](#)

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