

Store at  
-20°C  
  
#32477

# Androgen Receptor (Carboxy-terminal Antigen) Matched Antibody Pair



**Support:** +1-978-867-2388 (U.S.)  
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**Entrez-Gene ID** #367  
**UniProt ID** #P10275

**For Research Use Only. Not for Use in Diagnostic Procedures.**

Product Includes	Product #	Quantity	Isotype
Androgen Receptor (E9L1Z) Rabbit mAb (Carboxy-terminal Antigen) (BSA and Azide Free)	54524	100 µg	Rabbit IgG
Androgen Receptor (A3H8W) Rabbit mAb (BSA and Azide Free)	76452	100 µg	Rabbit IgG

## Species Reactivity: H

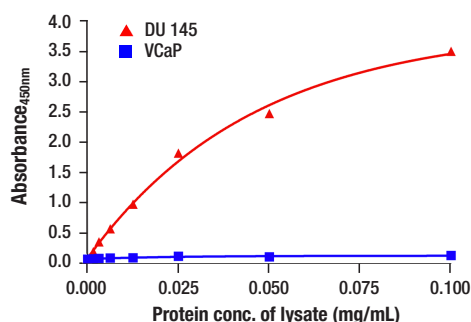
**Description:** The Androgen Receptor (Carboxy-terminal Antigen) Matched Antibody Pair is ideal for use with immunoassay technologies and high throughput ELISA platforms requiring antibody pairs with specialized or custom antibody labeling. Labels include fluorophores, lanthanides, biotin, and beads. Platforms requiring conjugated Matched Antibody Pairs include MSD, Quanterix Simoa, Alpha Technology (AlphaScreen, AlphaLISA, LANCE, HTRF), and Luminex.

Learn how Matched Antibody Pairs move your projects forward, faster at [cst-science.com/matched-antibody-pairs](http://cst-science.com/matched-antibody-pairs).

**Background:** Androgen receptor (AR), a zinc finger transcription factor belonging to the nuclear receptor superfamily, is activated by phosphorylation and dimerization upon ligand binding (1). This promotes nuclear localization and binding of AR to androgen response elements in androgen target genes. Research studies have shown that AR plays a crucial role in several stages of male development and the progression of prostate cancer (2,3).

**Specificity/Sensitivity:** This kit detects proteins from the indicated species, as determined through in-house testing, but may also detect homologous proteins from other species.

**Formulation:** Supplied in 1X PBS (10 mM Na<sub>2</sub>HPO<sub>4</sub>, 3 mM KCl, 2 mM KH<sub>2</sub>PO<sub>4</sub>, and 140 mM NaCl (pH 7.8)). BSA and Azide Free.



Data using Androgen Receptor (Carboxy-terminal Antigen) Matched Antibody Pair #32477 are shown. The two antibodies function as a capture-target-detection sandwich (#54524 and #76452, respectively) to detect endogenous expression of protein in positive and negative controls.

**Storage:** Store at -20°C. This product will freeze at -20°C so it is recommended to aliquot into single-use vials to avoid multiple freeze/thaw cycles. A slight precipitate may be present and can be dissolved by gently vortexing. This will not interfere with antibody performance.

**Please visit [cellsignal.com](http://cellsignal.com) for validation data and a complete listing of recommended companion products.**

**Directions for Use:** Matched Antibody Pairs include capture and detection antibodies to non-overlapping epitopes. Optimal dilutions/concentrations should be determined by the end user.

## Background References:

- (1) Li, J. and Al-Azzawi, F. (2009) *Maturitas* 63, 142-8.
- (2) Avila, D.M. et al. (2001) *J. Steroid. Biochem. Mol. Biol.* 76, 135-142.
- (3) Montgomery, J.S. et al. (2001) *J. Pathol.* 195, 138-146.

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