

#40065 Store at -20°C

Androgen Receptor (D6F11) XP® Rabbit mAb (Biotinylated)



Cell Signaling
TECHNOLOGY®

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

Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 110	Source/Isotype: Rabbit IgG	UniProt ID: #P10275	Entrez-Gene Id: 367
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at -20°C. Do not aliquot the antibodies.	
Specificity / Sensitivity	Androgen Receptor (D6F11) XP® Rabbit mAb (Biotinylated) detects endogenous levels of total androgen receptor protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with recombinant protein corresponding to residues near the amino terminal region of human androgen receptor protein.	
Product Description	This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated Androgen Receptor (D6F11) XP® Rabbit mAb #5153.	

MW (kDa)	110
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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).
Background References	<ol style="list-style-type: none"> Li, J. and Al-Azzawi, F. (2009) <i>Maturitas</i> 63, 142-8. Avila, D.M. et al. (2001) <i>J. Steroid. Biochem. Mol. Biol.</i> 76, 135-142. Montgomery, J.S. et al. (2001) <i>J. Pathol.</i> 195, 138-146.

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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