Androgen Receptor Antibody

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

Applications: WB
Reactivity: H
Sensitivity: Endogenous
MW (kDa): 110
Source: Rabbit
UniProt ID: #P10275
Entrez-Gene Id: 367

Product Usage Information

Application: Western Blotting
Dilution: 1:1000

Storage
Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

Specificity / Sensitivity
Androgen Receptor Antibody detects endogenous levels of total androgen receptor.

Source / Purification
Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser215 of human androgen receptor. Antibodies are purified by protein A and peptide affinity chromatography.

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

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key
WB: Western Blotting

Cross-Reactivity Key

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