

Anti human AR mouse monoclonal antibody

AR: Androgen Receptor

Code No PP-H7507-00

Clone No. H7507

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Androgen receptor (AR; NR3C4) is a member of steroid receptor (ER, GR, MR, PR). 5 α -dihydrotestosterone can bind to the AR as a ligand. AR is expressed in most tissues. AR is associated with at least three types of diseases: X-linked androgen insensitivity, spinal/bulbar muscular atrophy and cancer. In presence of its ligand, AR binds as a homodimer to sequence called ARE (androgen response element). AR has been shown to be able to form heterodimers with GR. Two isoforms of AR were identified in human genital skin fibroblasts. The large isoform of 110 kDa (called AR-B) corresponds to the bona fide receptor, whereas the small one of 87 kDa (AR-A) initiate on an internal initiation codon.

Nomenclature NR3C4

Genbank M20132

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human AR (2-53 aa).

Specificity This antibody specifically recognizes human AR and cross reacts with mouse and rat AR.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 1 ug/mL

Non reducing Western Blot Not yet tested

ELISA 0.3 ug/mL (A450=0.2)

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 1-10 ug/mL



Rat
Prostate gland
paraffin section



Human
Prostate gland
paraffin section

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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MADE IN JAPAN

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