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Anti human AR mouse monoclonal antibody

AR: Androgen Receptor

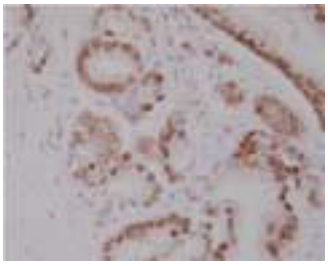
Code No	PP-H7507-00
Clone No.	H7507
Lot.	A-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Androgen receptor (AR; NR3C4) is a member of steroid receptor (ER, GR, MR, PR). 5a-dihydroteststerone can bind to the AR as a ligand. AR is expressed in most tissues. AR is associated with at least three types of diseases: X-linked androgen insensivity, spinal/bulbar musclar 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 immunoprecipitatic	Not yet tested
Immunohistochemistry	1-10 ug/mL

Rat
Prostate gland
paraffin section



Human
Prostate gland
paraffin section

Storage	Store at 2 - 8 ºC 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.

MADE IN JAPAN

July 1, 2023