

Mouse anti-Human Androgen Receptor Monoclonal Antibody | anti-AR antibody

Androgen Receptor (Marker of Androgen Dependence) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62858	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Androgen Receptor; Monoclonal Antibody; Androgen Receptor (Marker of Androgen Dependence) Mouse Monoclonal Antibody; AIS; Dihydrotestosterone receptor (DHTR); HUMARA; HYSP1; Kennedy disease (KD); Nuclear receptor subfamily 3 group C member 4 (NR3C4); SMAX1; Spinal and bulbar muscular atrophy (SBMA); Testicular Feminization (TFM); anti-AR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	AR441
Specificity	Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors. The expression of AR is reportedly inversely correlated with histologic grade i.e. well differentiated prostate tumors show higher expression than the poorly differentiated tumors. In prostate cancer, AR has been proposed, as a marker of hormone-responsiveness and thus it may be useful in identifying patients likely to benefit from anti-androgen therapy. Anti-androgen receptor has been useful clinically in differentiating morpheaform basal cell carcinoma (mBCC) from desmoplastic trichoepithelioma (DTE) in the skin. This MAb is superb for staining of formalin/paraffin tissues.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	920
Applicable Applications for anti-AR antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Nuclear
Immunogen	AA synthetic peptide, aa 302-318 (STEDTAEYSPFKGGYTK) of human AR
Hu-Chromosome Location	Xq12
Positive Control	LNCap cells. Prostate carcinoma
Research Areas	AKT Signaling, Cancer, Signal Transduction, Transcription Factors
Preparation and Storage	Antibody without azide - store at -20 to -80°C. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis of Purified Androgen Receptor Mouse Monoclonal Antibody.
Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Androgen Receptor Monoclonal Antibody.

ADDITIONAL INFORMATION

References	J-nne OA, et al. Androgen receptor and mechanism of androgen action. Ann Med 1993; 25:8
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21322252
NCBI GeneID	367
NCBI Accession #	NP_000035.2
NCBI GenBank Nucleotide #	NM_000044.3
UniProt Accession #	P10275; Q9UD95; A0A0B4J1T2; A2RUN2; B1AKD7; C0JKD3; C0JKD4; E7EVX6
Molecular Weight	110kDa
NCBI Official Full Name	androgen receptor isoform 1
NCBI Official Synonym Full Names	androgen receptor
NCBI Official Symbol	AR
NCBI Official Synonym Symbols	KD; AIS; AR8; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA
NCBI Protein Information	androgen receptor
UniProt Protein Name	Androgen receptor
UniProt Gene Name	AR
UniProt Synonym Gene Names	DHTR; NR3C4
UniProt Entry Name	ANDR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/androgen-receptor-antibody-clone-ar441-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62858>