Anti-AR antibody

Cat. No.	ml262958
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-AR rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human AR
Reactivity	Human, Mouse, Rat
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	AR
Full name	androgen receptor
Synonyms	KD; AIS; AR8; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA
Swissprot	P10275

Target Background

The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms have been described.
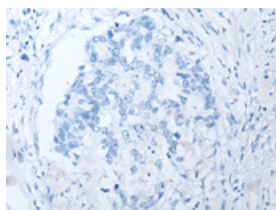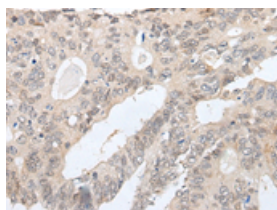
Applications

Immunohistochemistry

Predicted cell location: Nucleus and Cytoplasm

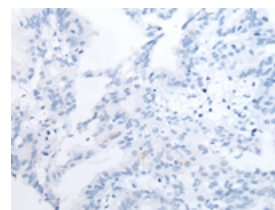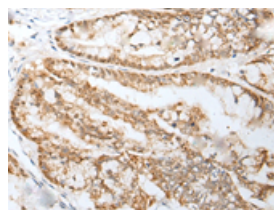Positive control: Human colorectal cancer

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml262958(AR Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Nucleus and Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml262958(AR Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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