

## AR RABBIT PAB

**Cat.#:** S213380

**Product Name:** Anti-AR Rabbit Polyclonal Antibody

**Synonyms:** KD; AIS; AR8; TFM; DHTR; SBMA; HYSPI; NR3C4; SMAX1; HUMARA

**UNIPROT ID:** P10275 (Gene Accession - NP\_000035 )

**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 from the normal 9-34 repeats to the pathogenic 38-62 repeats causes spinal bulbar muscular atrophy (SBMA, also known as Kennedy's disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Alternative splicing results in multiple transcript variants encoding different isoforms.

**Immunogen:** Synthetic peptide of human AR

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-100;WB: 200-1000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

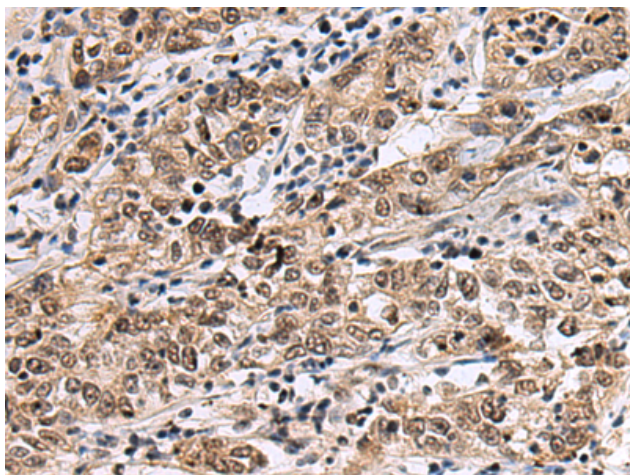
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

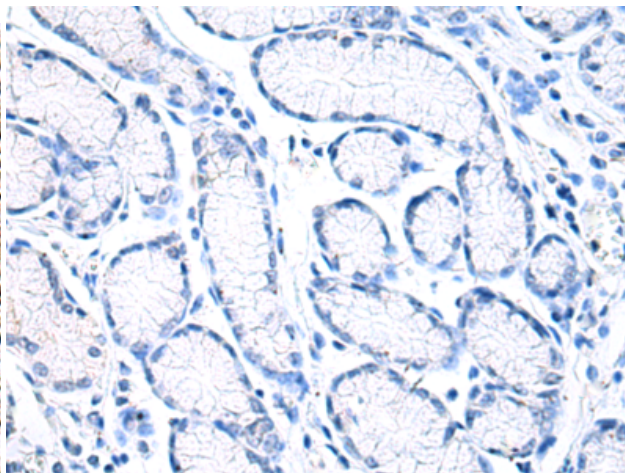
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Epigenetics and Nuclear Signaling, Developmental Biology

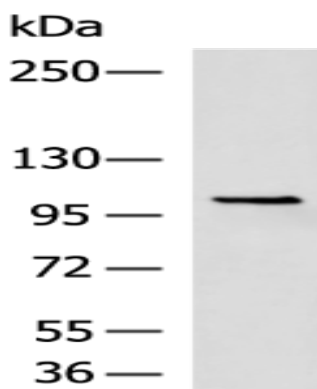
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 213380(AR Antibody) at a dilution of 1/35(Nucleus and Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 213380(Anti-AR Antibody) at dilution 1/35.



Gel: 6%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane: LOVO cell lysate;  
Primary antibody: 213380(AR Antibody) at dilution 1/200;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 40 seconds