

Product datasheet for **AP08008PU-S**

Androgen Receptor (AR) pSer213 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunofluorescence: 1/100-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human Androgen Receptor around the phosphorylation site of serine 213 (E-A-SP-G-A).
Specificity:	Antibody AP08008PU detects endogenous levels of Androgen Receptor only when phosphorylated at Serine 213.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	androgen receptor
Database Link:	Entrez Gene 367 Human P10275



[View online »](#)

Background:

The androgen receptor (AR) is a 110 kDa androgen-dependent transcription factor that is a member of the steroid/nuclear receptor gene superfamily. The AR signaling pathway plays a key role in development and function of male reproductive organs, including the prostate and epididymis. AR also plays a role in nonreproductive organs, such as muscle, hair follicles, and brain. Abnormalities in the AR signaling pathway have been linked to a number of diseases, including prostate cancer, Kennedy's disease and male infertility. The PI3K/Akt signaling pathway plays an important role in regulating AR activity through phosphorylation of AR at Ser213/210 and Ser791/790. Growth factors or cytokines may induce phosphorylation of AR through the PI3K/Akt pathway. Activation of the PI3K/Akt pathway is thought to have a survival role in prostate cancer by protecting cells from apoptosis.

Synonyms:

Dihydrotestosterone receptor, DHTR, NR3C4

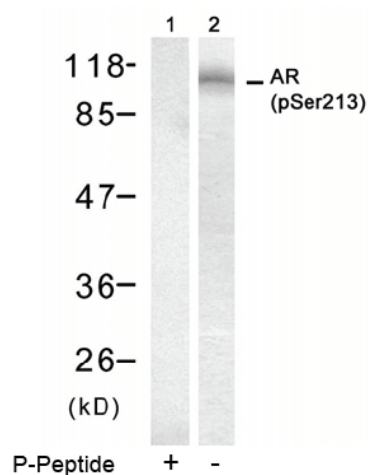
Product images:


Figure 1. Western blot analysis of extract from DU145 cell, using Androgen Receptor (phospho-Ser213) antibody.

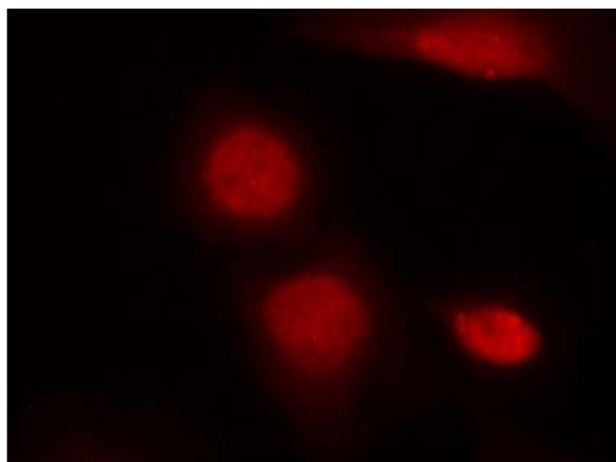


Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using Androgen Receptor (phospho-Ser213) antibody.