

Nur für Forschungszwecke

# androgen receptor Monoklonaler Antikörper



Katalog-Nr.:66747-1-Ig

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66747-1-Ig	<b>GenBank-Zugangsnummer:</b> BC132975	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 2300 µg/ml von367 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> androgen receptor	<b>CloneNo.:</b> 1F7C12
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> androgen receptor	<b>Empfohlene Verdünnungen:</b> WB 1:600-1:3000 IHC 1:5000-1:20000 IF 1:200-1:800
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 914 aa, 99 kDa	
<b>Immunogen Katalognummer:</b> AG17291	<b>Beobachtete Masse:</b> 110-120 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>WB:</b> LNCaP-Zellen, humanes Hodengewebe, NCCIT-Zellen
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	<b>IHC:</b> humanes Prostatakarzinomgewebe, Maushodengewebe, Rattenhodengewebe
	<b>IF:</b> humanes Prostatakarzinomgewebe, LNCaP-Zellen

## Hintergrundinformationen

AR, also named as DHTR and NR3C4, belongs to the nuclear hormone receptor family and NR3 subfamily. AR is a ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Transcription factor activity is modulated by bound coactivator and corepressor proteins. AR is activated, but not phosphorylated, by HIPK3. Defects in AR are the cause of androgen insensitivity syndrome (AIS), previously known as testicular feminization syndrome (TFM), which is an X-linked recessive form of pseudohermaphroditism due end-organ resistance to androgen. Defects in AR are the cause of spinal and bulbar muscular atrophy X-linked type 1 (SMA1) which also known as Kennedy disease. Defects in AR may play a role in metastatic prostate cancer. Defects in AR are the cause of androgen insensitivity syndrome partial (PAIS) which also known as Reifenstein syndrome. AR exists various isoforms with MW 110-120 kDa and 75-80 kDa. (PMID: 19244107)

## Lagerung

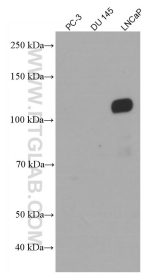
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

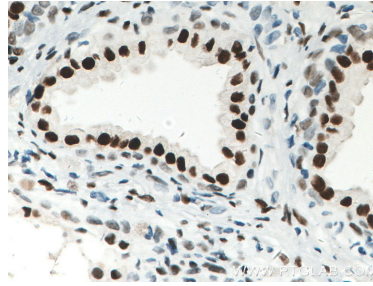
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
W: ptglab.com

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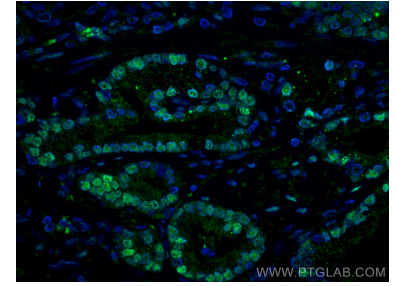
## Ausgewählte Validierungsdaten



PC-3(AR-), DU 145(AR-) and LNCaP (AR+) cell lysates were subjected to SDS PAGE followed by western blot with 66747-1-Ig (AR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66747-1-Ig (AR antibody) at dilution of 1:20000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using AR antibody (66747-1-Ig, Clone: 1F7C12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).