

For Research Use Only

androgen receptor Monoclonal antibody, PBS Only



Catalog Number: 66747-1-PBS

Basic Information

Catalog Number: 66747-1-PBS	GenBank Accession Number: BC132975	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 367	CloneNo.: 1F7C12
Source: Mouse	UNIPROT ID: P10275	
Isotype: IgG2a	Full Name: androgen receptor	
Immunogen Catalog Number: AG17291	Calculated MW: 914 aa, 99 kDa	
	Observed MW: 110-120 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

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 (SMA X1) 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)

Storage

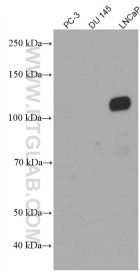
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

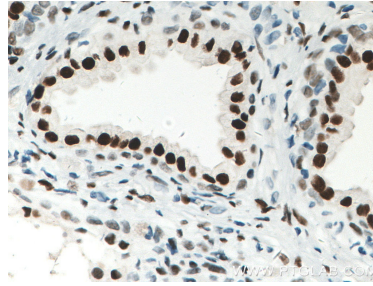
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

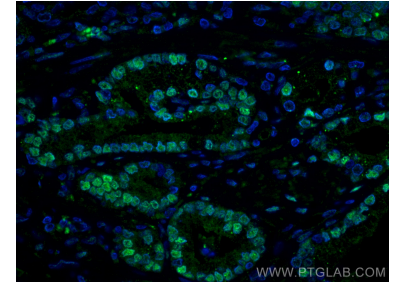
Selected Validation Data



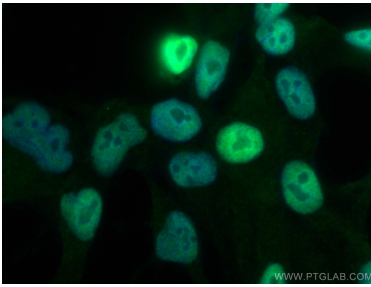
PC-3(AR-), DU 145(AR-) and LNCaP (AR+) cell lysates were subjected to SDS PAGE followed by western blot with 66747-1-Ig (AR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66747-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66747-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66747-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using androgen receptor antibody (66747-1-Ig, Clone: 1F7C12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66747-1-PBS in a different storage buffer formulation.