

For Research Use Only

CoraLite® Plus 488-conjugated AR Monoclonal antibody

Catalog Number: CL488-66747



Basic Information

Catalog Number: CL488-66747	GenBank Accession Number: BC132975	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 367	CloneNo.: 1F7C12
Source: Mouse	UNIPROT ID: P10275	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: androgen receptor	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG17291	Calculated MW: 914 aa, 99 kDa	
	Observed MW: 110-120 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : LNCaP cells,
Species Specificity: Human	

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 MV 110-120 kDa and 75-80 kDa. (PMID: 19244107)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using Coralite® Plus 488 AR antibody (CL488-66747, Clone: 1F7C12) at dilution of 1:200.