

For Research Use Only

Phospho-Estrogen Receptor α (Ser118) Recombinant monoclonal antibody, PBS Only



Catalog Number: 84564-6-PBS

Basic Information

Catalog Number: 84564-6-PBS	GenBank Accession Number: BC128573	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2099	CloneNo.: 250278F8
Source: Rabbit	UNIPROT ID: P03372	
Isotype: IgG	Full Name: estrogen receptor 1	
	Calculated MW: 595 aa, 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

Estrogen Receptor α (ER α , gene symbol ESR1) is a member of the nuclear-receptor superfamily that functions as a ligand-dependent transcription factor. Dependent upon cell and promoter context, ER α regulates transcription through its two activation domains, AF-1 and AF-2. AF-2 is contained within the LBD and becomes active upon E2 binding. AF-1 however, is activated by phosphorylation of ER α at several sites, most notably serine 118 (S118) and serine 167 (S167), sites that are regulated by multiple signaling pathways. (PMID: 25597633)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

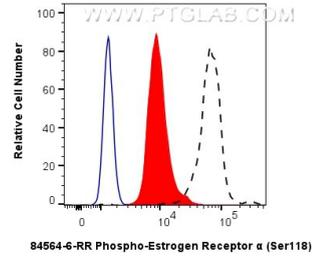
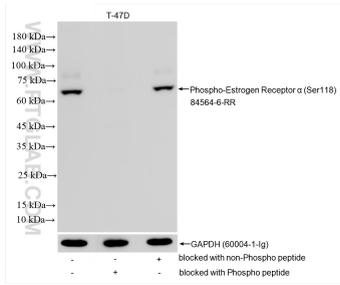
For technical support and original validation data for this product please contact:

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Selected Validation Data



T-47D cell lysates were subjected to SDS PAGE followed by western blot with 84564-6-RR (Phospho-Estrogen Receptor α (Ser118) antibody) blocked with BSA only, Phospho-Estrogen Receptor α (Ser118) peptide or non-Phospho peptide at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 84564-6-



1×10^6 MCF-7 cells untreated (dashed lines) or treated with λ phosphatase which intracellularly stained with 0.13 ug Phospho-Estrogen Receptor α (Ser118) Recombinant monoclonal antibody (84564-6-RR, Clone:250278F8) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.13 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Flow Cytometry

