

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC128573

GeneID (NCBI):

2099

UNIPROT ID:

P03372

Full Name:

estrogen receptor 1

Calculated MW:

595 aa, 66 kDa

Observed MW:

66 kDa

Purification Method:

Protein A purification

CloneNo.:

250278F8

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 .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

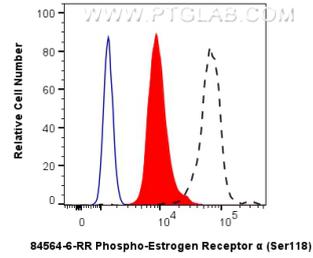
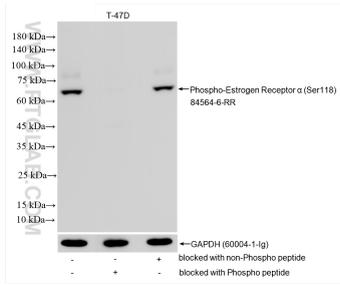
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

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