

Phospho-STAT3 (S727) Recombinant Antibody



RACO0080

Product Information

Size:

50ul

Reactivity:

Human

Source:

Human

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC, IP

Recommended dilutions:

WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000

Protein Background:

Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF, LEP and other growth factors . Once activated, recruits coactivators, such as NCOA1 or MED1, to the promoter region of the target gene . May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4 . Binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes . Activated by IL31 through IL31RA . Acts as a regulator of inflammatory response by regulating differentiation of naive CD4(+) T-cells into T-helper Th17 or regulatory T-cells (Treg): deacetylation and oxidation of lysine residues by LOXL3, leads to disrupt STAT3 dimerization and inhibit its transcription activity .

Gene ID:

STAT3

Uniprot

P40763

Synonyms:

Signal transducer and activator of transcription 3, Acute-phase response factor, STAT3

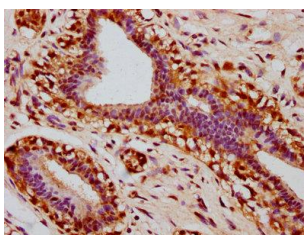
Immunogen:

A synthesized peptide derived from human Phospho-STAT3 (S727).

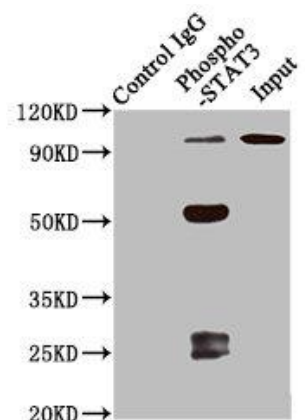
Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



IHC image of RACO0080 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



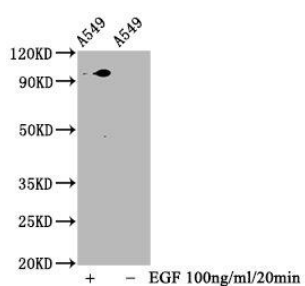
Immunoprecipitating Phospho-STAT3 in 293 whole cell lysate) (treated with Calyculin A

Lane 1: Rabbit control IgG(1μg)instead of RACO0080 in 293 whole cell lysate) (treated with Calyculin A.

For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: RACO0080(3μg)+ 293 whole cell lysate) (treated with Calyculin A (1mg)

Lane 3: 293 whole cell lysate) (treated with Calyculin A (20μg)



Western Blot

Positive WB detected in(A549 whole cell lysate) (treated with EGF or not)

All lanes: Phospho-STAT3 antibody at 1.88μg/ml

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 98 KDa

Observed band size: 98 KDa