

Phospho-MAPK8/MAPK9/MAPK10 (T183/T183/T221) Recombinant Antibody RACO0122



Product Information

Size:

50ul

Reactivity:

Human

Source:

Human

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

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

Protein Background:

Serine/threonine-protein kinase involved in various processes such as cell proliferation, differentiation, migration, transformation and programmed cell death. Extracellular stimuli such as proinflammatory cytokines or physical stress stimulate the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. In this cascade, two dual specificity kinases MAP2K4/MKK4 and MAP2K7/MKK7 phosphorylate and activate MAPK8/JNK1. In turn, MAPK8/JNK1 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity. Phosphorylates the replication licensing factor CDT1, inhibiting the interaction between CDT1 and the histone H4 acetylase HBO1 to replication origins.

Gene ID:

MAPK8/MAPK9/MAPK10

Uniprot

P45983/P45984/P53779

Synonyms:

Mitogen-activated protein kinase 8, MAP kinase 8, MAPK 8, JNK-46, Stress-activated protein kinase 1c, SAPK1c, Stress-activated protein kinase JNK1, c-Jun N-terminal kinase 1, MAPK8, JNK1, PRKM8, SAPK1, SAPK1C

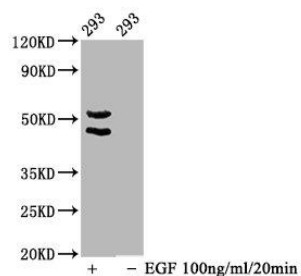
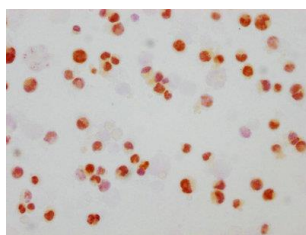
Immunogen:

A synthesized peptide derived from human Phospho-MAPK8/MAPK9/MAPK10 (T183/T183/T221).

Storage:

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

Product Images



Immunocytochemistry analysis of RACO0122 diluted at 1:165 and staining in HeLa cells (treated with 100ng/ml EGF for 4h) performed on a Leica Bond™ system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and 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.

Western Blot

Positive WB detected in(293 whole cell lysate) (treated with EGF or not)

All lanes: Phospho-MAPK8/MAPK9/MAPK10 antibody at 1.65µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 46,54 KDa

Observed band size: 46,54 KDa