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Contact:- Dr C. James Hastie

Antibody Datasheet

Product description:- Anti-TAB1 phospho Thr 431

Antigen:- CSTLDEAT*PTLTNQ [* is phospho Threonine]

Sheep Number:- S737A

Bleed Number:- Second Bleed

Concentration:- 0.34 mg/ml

Formulation:- Phosphate Buffered Saline

Storage temperature:- –20 °C

Purification Method:- Affinity purified against phospho peptide

Working Concentration:- 0.5-1 μg/ml for western blotting
Include the unphosphorylated form of the peptide immunogen at 10 μg/ml to the diluted antibody

Publication Reference:-

"Feedback control of the protein kinase TAK1 by SAPK2a/p38alpha"
Cheung PCF, Campbell DG, Nebreda AR and Cohen P.
EMBO Journal. 2003, vol. 22 no. 21. 5793 - 5805.

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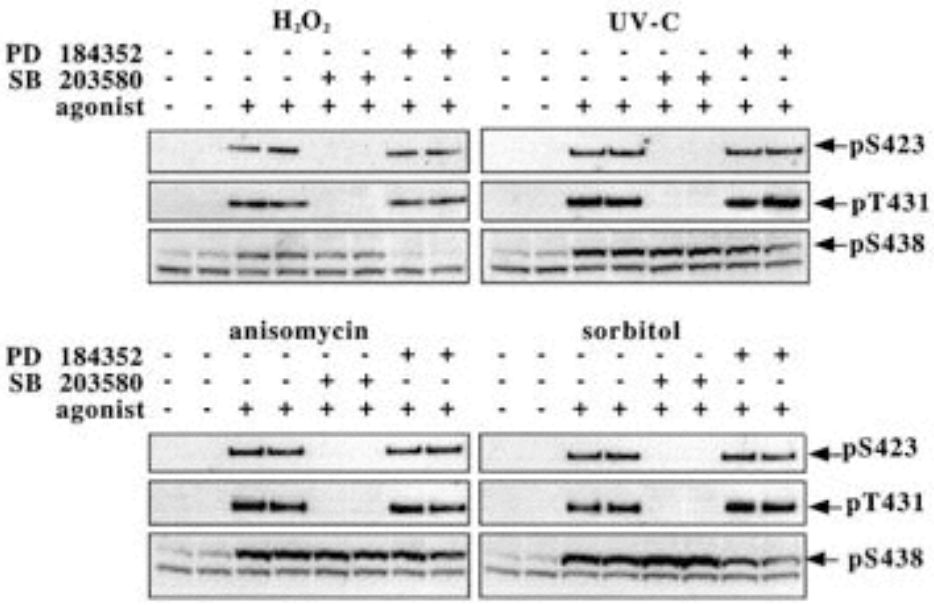

KB cells were pre-treated for 1 hour with or without 10 μM SB 203580 or 2 μM PD184352 then simulated with H2O2 (2 mM for 15 mins), UV-C (30 mins), anisomycin (10 μg/ml for 30 mins) or sorbitol (0.5 M for 30 mins) and lthen lysed. TAB1 was immunoprecipitated using anti-TAB1 S823A, 2 μg of anti-TAB1 was incubated for 1 hour at 4 °C with 250 μg of protein lysate. The immunocomplex was denatured in SDS, separated by SDS-PAGE, transferred to nitrocellulose membrane and blotted with the appropriate phospho-specific antibody.

Binding of the primary antibody was detected using rabbit peroxidase conjugated anti-sheep IgG antibody (1 in 10, 000 dilution, Pierce) followed by enhanced chemiluminescence (ECL, Amersham).