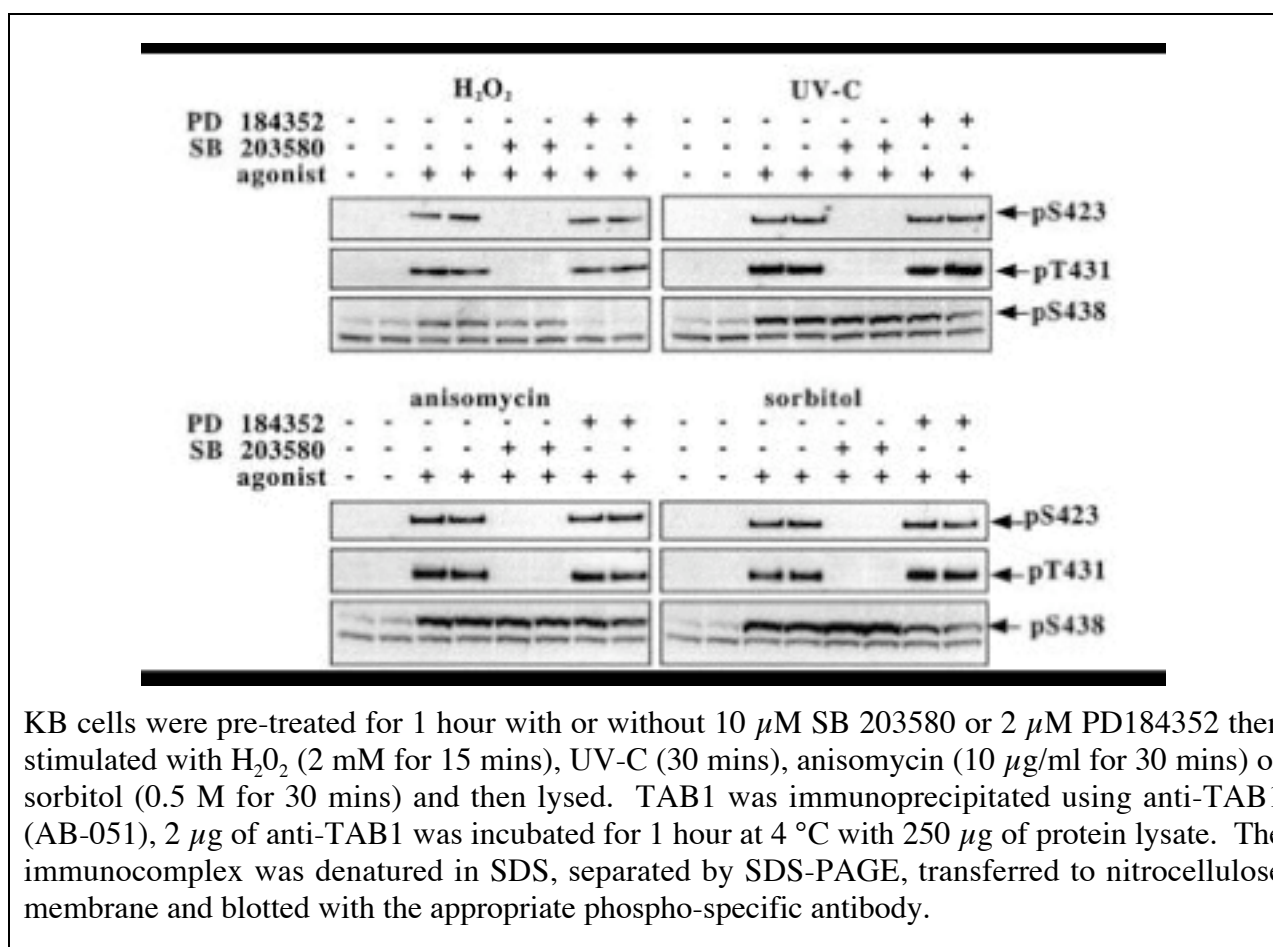


Anti TAB1 pSer438
Order No. PB-052
Anti TAK1 binding protein 1 pSer438
Antibody concentration: 0.61 mg/ml
Lot No 1
Amount per vial: 100µg
Store at -20°C

Product description:

Polyclonal, affinity purified antibody raised in sheep against the peptide CPTLNQpSPTLTLQ resembling residues 433 – 444 of human TAB1 (Acc. No. Q15750), phosphorylated at Ser438. Recognizes human and mouse, other species not tested.

Applications: Western blotting. TAB1 is of very low abundance in many cell lines and may only be detected by western blotting upon immunoprecipitation.

Application advise

Western blocking buffer: 5% dry milk, 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

1st Ab buffer: 1µg/ml antibody and 5µg/ml dephosphopeptide (PT-052 comes with the Ab) in western blocking buffer for 4h to 16h incubation. Wash buffer: 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

2nd Ab buffer: HRP coupled anti sheep Pierce 31480 (1:10000) in western blocking buffer.

Background information

TAB1 is an essential activator of the TGF- β activated kinase 1 (TAK1) (Yamaguchi et al., 1995 Science 270:2008-2011. TAB1 itself is regulated by phosphorylation at Ser423, Thr431 and Ser438 mediated by SAPK2A/p38 α . "Feedback control of the protein kinase TAK1 by SAPK2a/p38alpha". Cheung et al., 2003 EMBO J. 22:5793 – 5805. PB-052 was used in the latter publication.

For in vitro use only.

For research use only.

Not for clinical use or consumption.

Not for diagnostic use.

Do not inject in humans or animals.