

12-4285: Phospho-SAPK/JNK (Thr183/Tyr185) (Clone: A11) rabbit mAb

Clonality :	Monoclonal
Clone Name :	SAPKT183Y185-A11
Application :	FACS
Reactivity :	Human
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Mitogen-activated protein kinase 8, MAPK8, Stress-activated protein kinase 1c, SAPK1c, c-Jun N-terminal kinase 1, JNK1, PRKM8
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Thr183/Tyr185 of human phospho SAPK/JNK

Description

The SAPK/JNK pathway initiates apoptosis upon exposure to radiation, UV exposure, heat shock, oxidative stress, and other stressors. Upon exposure to environmental stress, the SAPK/JNK signaling pathway sequentially activates the proteins MEKK1, SEK1, SAPK, and c-Jun. Upstream activators of the SAPK/JNK cascade include ceramide, small GTP-binding proteins such as Rac1 and Cdc42Hs, Ask1, and caspases. MKK7 is also a major and direct SAPK/JNK activator in the TNF alpha or environmental stress signaling pathways, where its kinase activity directly phosphorylates SAPK/JNK. This relationship between MKK7 and SAPK appears to be evolutionarily conserved, as it is preserved in their *Drosophila* homologues, Hep and DJNK, respectively.

Product Info

Amount :	20 µl / 200 µl
Content :	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

1Âµg/mL - 0.001Âµg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.(0.5mg/ml, more than 200 western blots)

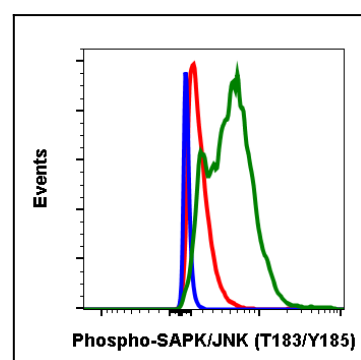


Fig-1: Flow cytometric analysis of 293T cells secondary antibody only negative control (blue) or treated with K252a (red) or with UV+TPA (green) using Phospho-SAPK/JNK (Thr183/Tyr185) antibody SAPKT183Y185-A11 at 0.01 µg/mL.

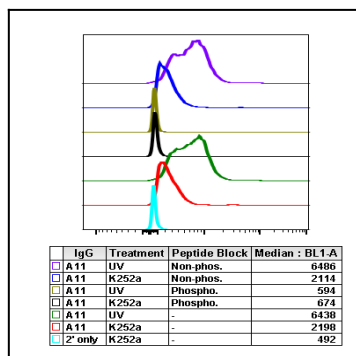


Fig 2 : Peptide blocking flow cytometric analysis of 293T cells secondary antibody only negative control (light blue) or treated with K252a (red) or with UV+TPA (green) or K252a and blocked with phospho-peptide (black) or UV and blocked with phospho peptide (gold) or K252a and blocked with non-phospho peptide (blue) or UV and blocked with non-phospho peptide (purple) using Phospho-SAPK/JNK (Thr183/Tyr185) antibody SAPKT183Y185-A11 at 0.01 µg/mL.