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12-4287: Phospho-SAPK/JNK (Thr183/Tyr185) (Clone: A11) rabbit mAb FITC conjugate

Clonality :	Monoclonal
Clone Name :	SAPKT183Y185-A11
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Format :	Conjugated
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 :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN3, 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 ÃÂµL per million cells or 5 ÃÂµL per 100 ÃÂµL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

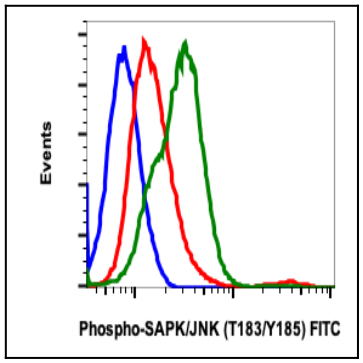

Fig-1: Flow cytometric analysis of 293T cells untreated and unstained as negative control (blue) or untreated (red) or with UV+TPA (green) and stained using Phospho-SAPK/JNK (Thr183/Tyr185) antibody SAPKT183Y185-A11 FITC conjugate.