



Product datasheet

APC Anti-JNK1 (phospho T183 + Y185) antibody [SAPKT183Y185-A11] α b278771

Recombinant

2 Images

Overview

Product name	APC Anti-JNK1 (phospho T183 + Y185) antibody [SAPKT183Y185-A11]
Description	APC Rabbit monoclonal [SAPKT183Y185-A11] to JNK1 (phospho T183 + Y185)
Host species	Rabbit
Conjugation	APC. Ex: 645nm, Em: 660nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	<p>Synthetic peptide within Human JNK1 (phospho T183 + Y185). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements.</p> <p>Database link: <u>P45983</u></p> <div>  <u>Run BLAST with</u>  <u>Run BLAST with</u> </div>
Positive control	Flow cyt: HEK-293T cells treated with with UV+TPA.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information <u>see here</u>.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	<p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 99.71% PBS, 0.2% BSA</p>
Purity	Protein A/G purified
Clonality	Monoclonal

Clone number	SAPKT183Y185-A11
Isotype	IgG
Light chain type	kappa

Applications

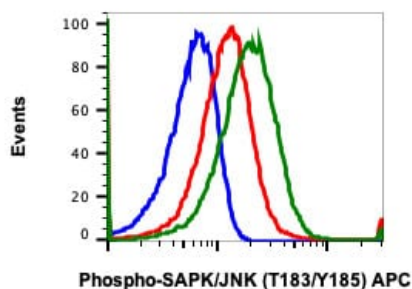
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab278771 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 ⁶ cells.

Target

Function	<p>Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells (By similarity). Phosphorylates heat shock factor protein 4 (HSF4).</p> <p>JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms.</p>
Sequence similarities	<p>Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.</p> <p>Contains 1 protein kinase domain.</p>
Domain	The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.
Post-translational modifications	Dually phosphorylated on Thr-183 and Tyr-185, which activates the enzyme.

Images



Flow cytometric analysis of 293T cells untreated and unstained as negative control (blue) or untreated (red) or with UV+TPA (green) and stained using ab278771.

Flow Cytometry - APC Anti-JNK1 (phospho T183 + Y185) antibody [SAPKT183Y185-A11] (ab278771)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

APC Anti-JNK1 (phospho T183 + Y185) antibody
[SAPKT183Y185-A11] (ab278771)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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