

Phospho-MSK1 (Thr581) (A5) rabbit mAb APC conjugate

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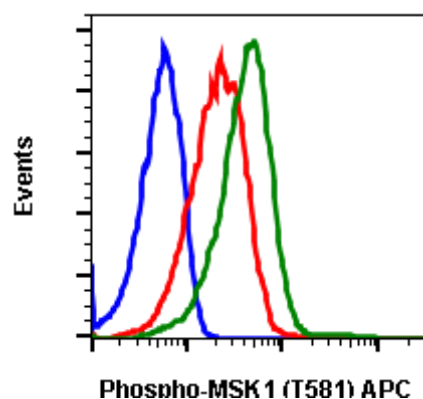
Catalog: #2184

Store at: 2-8°C

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGκ

Format:	APC
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.
Formulation:	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Preparation:	Protein A+G
Reactivity:	Human,Mouse,Rat
Recommended Usage:	For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Thr581 of human phospho MSK1
Description:	MSK1 (mitogen and stress activated protein kinase 1, phospho MSK1) is activated by Erk in response to growth factors and by p38 in response to cellular stress (1). MSK1 is similar to RSK1 in that it has two kinase domains and a connecting regulatory linker region (2). S364/S381 phosphorylation activates RSK1 (3), which is analogous to residues S360 and S376 of MSK1, which may be important for phospho MSK1 activity.
References:	<ol style="list-style-type: none">1. Deak, M. et al. (1998) EMBO J. 17, 4426-4441.2. Pierrat, B. et al. (1998) J. Biol. Chem. 273, 29661-29671.3. Dalby, K.N. et al. (1998) J Biol Chem 273, 1496-505.4. Markou, T. and Lazou, A. (2002) Biochem J 365, 757-63.



Flow cytometric analysis of COS7 cells unstained untreated cells (blue) or stained untreated (red) or treated with TPA + CalA (green) using phospho-MSK1(T581) antibody MSK1T581-A5 APC conjugate. Cat. #2184.