For Research Use Only

Phosphatase Inhibitor Cocktail (100X)

Catalog Number: PR20015

www.ptglab.com

Description

Proteintech's Phosphatase Inhibitor Cocktail is a highly potent, broad-spectrum cocktail containing multiple phosphatase inhibitors. The main components include sodium fluoride, sodium orthovanadate, sodium pyrophosphate, beta-glycerophosphate, imidazole, sodium molybdate, sodium tartrate dibasic dihydrate, and other inhibitors, mainly inhibiting serine/threonine phosphatases, acid phosphatases, alkaline phosphatases, tyrosine phosphotases, etc. The cocktail can effectively prevent protein dephosphorylation during the extraction or lysis of primary cells, mammalian cultured cells, animal tissues, plant tissues, yeast or bacteria. It can be used for multiple applications including protein purification, western blotting, immunoprecipitation, immunofluorescence, immunohistochemistry and other studies.

Components

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Package

10x100 uL/1 mL

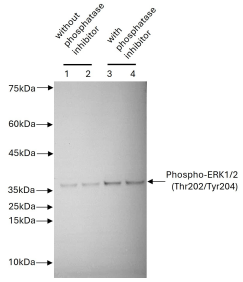
Storage

Store at -20°C for up to one year.

Notes

1. The phosphatase content can differ across samples. Therefore, the amount of phosphatase inhibitor cocktail can be adjusted according to the experimental situation.
2. This product is a highly concentrated solution. A small amount of precipitation may occur and, therefore, needs to be fully dissolved before use.
3. Dissolve at room temperature, do not heat.
4. For your safety and health, please wear lab coats and disposable gloves.

Validation Data



NIH3T3 cells were activated with 400 nM PMA for 15 min. Cells were then lysed using RIPA Buffer (PR20135) with (lanes 1 and 2) and without (lanes 3 and 4) phosphatase inhibitor (PR20015). Cell lysates were then incubated at 37°C for 4 hours (lanes 1 and 3) or 21 hours (lanes 2 and 4). Following this incubation lysates were subjected t... SDS-PAGE (5 ug protein/well) followed by western blot with anti-phospho-ERK1/2 (Thr202/Tyr204; 28733-1-AP).