Anti-Phospho-S6[pS235/pS236]-175Lu

Catalog #: 3175009A
Package Size: 50 tests
Storage: Store product at 4°C. Do not freeze.
Cross Reactivity: Rat, Mouse
Clone: N7-548
Isotype: Mouse IgG1
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

Ribosomal protein S6 belongs to the S6E family of ribosomal proteins and is a component of the 40S ribosomal subunit. It plays a role in regulation of translation and thus relates to the growth of cells. Phosphorylation of S6 at multiple C-terminal serine residues, including S235, S236, S240, and S244, activates it. Activated S6 upregulates ribosomal translation of RNA species. These phosphorylations are mediated by various kinases, including p70S6K and PKCD, and activated through cellular responses to extrinsic factors. The N7-548 monoclonal antibody specifically detects the S6 ribosomal protein phosphorylated at S235 and S236.

References


Contact Information:
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This product is intended for Research Use Only. This product is not intended for therapeutic or diagnostic purposes in humans or animals.