

## Title (en)

COMPOSITIONS AND METHODS FOR REGULATING CELLULAR SIGNAL TRANSDUCING SYSTEMS.

## Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR REGULIERUNG ZELLULÄRER SIGNALÜBERTRAGUNGSSYSTEME.

## Title (fr)

COMPOSITIONS ET PROCEDES DE REGULATION DE SYSTEMES DE TRANSDUCTION DE SIGNAUX CELLULAIRES.

## Publication

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## Application

**EP 92917394 A 19920330**

## Priority

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## Abstract (en)

[origin: WO9320439A1] Disclosed is a method of regulating the metabolic pathway of inositol in a cell. This method includes the introduction into said cell of a molecule which is then allowed to couple a membrane-bound receptor, activatable by an external signal, to an intracellular phosphodiesterase of the type responsible for generating second messenger substance, IP3. This molecule is selected from the group consisting of a purified A-protein, and active fragments, active analogs, and active fusion products thereof. Also disclosed are methods of detecting an A-protein and methods of inhibiting the growth and proliferation of cancer cells using anti-A-protein antibodies.

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## Citation (search report)

- [DX] SCHMIDT ET AL: "A-PROTEIN CATALYSES THE ADP-RIBOSYLATION OF G-PROTEIN FROM COW ROD OUTER SEGMENTS", THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 262, no. 29, 15 October 1987 (1987-10-15), pages 14333 - 14336
- [X] SCHMIDT ET AL: "ACTIVATION OF MEMBRANE-BOUND AND SOLUBLE A-PROTEIN IN THE BOVINE ROD OUTER SEGMENT", INVEST.OPHTHALMOL.VISUAL SCI., vol. 30, no. S3, pages 172
- [X] SCHMIDT ET AL: "A-PROTEIN:COFACTOR FOR CHOLERA TOXIN-DEPENDENT ADP-RIBOSYLATION OF G-PROTEIN IN BOVINE ROS", INVEST.OPHTHALMOL.VISUAL SCI., vol. 27, no. S3, pages 216
- [X] SCHMIDT ET AL: "INHIBITION OF PIP2 HYDROLYSIS BY MONOCLONAL ANTIBODIES RAISED AGAINST BOVINE ROS A-PROTEIN", INVEST.OPHTHALMOL.VISUAL SCI., vol. 31, no. 4 ABS.ISSUE, pages 581
- See references of WO 9320439A1

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