



BRIEF COMMUNICATIONS

Covalent Modifications of Signaling Proteins

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Abstract: The Alliance for Cellular Signaling hopes to compile a comprehensive object-relational database (The Molecule Page Database) containing literature-derived information on the states of signaling proteins, the activities of these states, and the proteins and small molecules that mediate and regulate transitions between these states.

While awaiting completion of the user interfaces and tools for generation of outputs from this database, we have surveyed the AfCS membership for information about covalent modifications, and we begin to disseminate this information in this report.

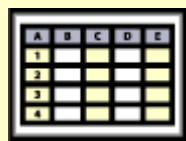


Members were asked to supply the following information about the AfCS molecules assigned to them.

1. Type(s) of covalent modification
2. Site(s) of covalent modification
3. Enzyme(s) catalyzing the modification
4. Enzyme(s) removing the modification
5. Whether the modification has been documented in intact cells
6. Receptor(s) that regulate the stoichiometry of the modification

Responses have been and will continue to be tabulated. The attached Table will be updated as new information is incorporated into the database. You may search the [AfCS Molecule Page database](#) with possible synonyms to find the name of a protein and ID number used by the AfCS.

Table. *Covalent Modification of Signaling Proteins*



[Excel Spreadsheet](#)



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