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Title (English)

Bioinformatic analysis of human membrane proteins for antibody-based proteomics

Title (Swedish)

Abstract

Membrane proteins are important targets for the pharmaceutical industry and therefore in focus for antibody-based proteomics efforts such as the HPA program. In this project, prediction methods for membrane protein topology have been assessed, and six methods were selected for implementation into an antigen selection software. A pilot study for validation of the selected methods was performed by flow cytometry using HPA antibodies.

Keywords

proteomics, antibody, membrane protein, topology prediction methods, flow cytometry

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