

Conformation-specific antibodies selected by an antibody phage display approach

ABSTRACT:

Since several years, we invested on the use of the recombinant antibody approach for cell biology. Improving the conditions of selection and use of these antibodies, we have shown that they represent robust alternative to classical, animal-based, antibodies. In addition, we showed that they open new applications, and in particular that they can be used as intrabodies to track the dynamics of endogenous proteins in living cells. In this presentation, we will present our data showing that the recombinant approach can be used to quickly select for antibodies sensitive to changes in protein conformation, thus providing unique protein sensors.