



The Power to Quantify

santa cruz biotechnology, inc.

Peptide Neutralization Protocol



- Blocking (neutralizing) peptides are available as negative controls for all Santa Cruz Biotechnology, Inc. affinity-purified rabbit and goat polyclonal antibodies and monoclonal antibodies raised against peptide antigens. Antibody binding to antigen may be blocked/competed by pre-absorption with the blocking peptide.
- Determine the highest antibody dilution at which a consistently positive result is achieved for the desired test. For example, [H-Ras \(259\)](#) is recommended for immunoprecipitation at 1 $\mu\text{g}/\text{ml}$ but is positive at a dilution of 50 ng/ml .
- For blocking/competition, combine antibody (at a concentration determined by the aforementioned method) with a five-fold (by weight) excess of blocking peptide in a small volume (500 μl) of PBS ([Buffers and General Solutions](#)). Incubate for up to 2 hours at room temperature or overnight at 4° C.
- Following blocking/competition, dilute antibody/peptide mixture into appropriate blocking buffer and proceed with the desired research application.