



Alpha 2a Adrenergic Receptor blocking peptide Data Sheet

Catalog Number: P14110

Format: Liquid-50 ul-2mgs/ml

Description: (C)KASRWRGRQNREKR
Control Antigen for use in absorption
control

Molecular weight: 1923 daltons

Application Notes

Basic Protocol for Absorption Control:

- 1) Make 2 vials of your primary antibody at the working concentration specified on the data sheet or at the best concentration determined by you empirically. 1 vial is for normally processing with your primary antibody, the other vial is for use with the Blocking Peptide.
- 2) Add the Blocking Peptide at the recommended dilution (see below) into 1 of the vials and incubate at room temperature for 1 hour.
- 3) Process your tissue/samples as normal with both antibody solutions.

Quick Calculation for Absorption Controls:

When we perform Absorption Controls, we use the peptide at a final concentration of ~10uM (1×10^{-5}) or 1uM (1×10^{-6} M). Because most peptides are between 15-20 amino acids with a molecular weight of ~2000 Da, we supply most of our peptide at a concentration of 2mgs/ml. This allows for a simple dilution of 1:100 (~10 uM) or 1:1000 (~1uM) in the working antibody Solution.

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