
RENBP Antibody Blocking Peptide

Catalog Number: bs-8497P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: RENBP is a 427 amino acid protein that is a proteinaceous renin inhibitor. In inhibiting renin, RENBP forms a complex with it; a high molecular weight renin. RENBP contains a leucine zipper domain, which is essential for its dimerization with renin. RENBP can catalyze the interconversion of N-acetylglucosamine to N-acetylmannosamine, indicating that it is a GlcNAc 2-epimerase. Sequences of porcine, human and rat renin-binding proteins are highly homologous. The RENBP gene is conserved in dog, mouse, rat and zebrafish, and maps to human chromosome Xq28 between DXS52 and G6PD. Rat Renbp is located on chromosome X at Xq37 close to marker DXWox3 and falls outside the BP QTL regions on chromosome X.