

RENBP Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12498b**Specification**

RENBP Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P51606](#)**RENBP Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 5973**Other Names**

N-acetylglucosamine 2-epimerase, AGE, GlcNAc 2-epimerase, N-acetyl-D-glucosamine 2-epimerase, Renin-binding protein, RnBP, RENBP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RENBP Antibody (C-term) Blocking peptide - Protein Information**Name** RENBP**Function**

Catalyzes the interconversion of N-acetylglucosamine to N-acetylmannosamine (PubMed:9990133, PubMed:10502668, PubMed:12499362). Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway: although human is not able to catalyze formation of Neu5Gc due to the inactive CMAHP enzyme, Neu5Gc is present in food and must be degraded (PubMed:9990133).

RENBP Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RENBP Antibody (C-term) Blocking peptide - Images

RENBP Antibody (C-term) Blocking peptide - Background

The gene product inhibits renin activity by forming adimer with renin, a complex known as high molecular weight renin. The encoded protein contains a leucine zipper domain, which is essential for its dimerization with renin. The gene product can catalyze the interconversion of N-acetylglucosamine to N-acetylmannosamine, indicating that it is a GlcNAc 2-epimerase. Transcript variants utilizing alternative promoters have been described in the literature.

RENBP Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Gu, D., et al. J. Hypertens. 28(6):1210-1220(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Luchansky, S.J., et al. J. Biol. Chem. 278(10):8035-8042(2003) Bohlmeier, T., et al. J. Card. Fail. 9(1):59-68(2003)