

RHBG Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9979a**Specification**

RHBG Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9H310](#)**RHBG Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 57127**Other Names**

Ammonium transporter Rh type B, Rhesus blood group family type B glycoprotein, Rh family type B glycoprotein, Rh type B glycoprotein, RHBG

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.

RHBG Antibody (C-term) Blocking Peptide - Protein Information**Name** RHBG ([HGNC:14572](#))**Function**

Ammonium transporter involved in the maintenance of acid-base homeostasis. Transports ammonium and its related derivative methylammonium across the basolateral plasma membrane of epithelial cells likely contributing to renal transepithelial ammonia transport and ammonia metabolism. May transport either NH₄(+) or NH₃ ammonia species predominantly mediating an electrogenic NH₄(+) transport (PubMed:15284342, PubMed:15929723, PubMed:24077989). May act as a CO₂ channel providing for renal acid secretion (PubMed:24077989).

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein

Tissue Location

Specifically expressed in kidney. Also detected in liver and ovary.

RHBG Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RHBG Antibody (C-term) Blocking Peptide - Images

RHBG Antibody (C-term) Blocking Peptide - Background

RHBG encodes one of two non-erythroid members of the Rhesus (Rh) protein family. Non-erythroid Rh protein family members are mainly expressed in the kidney and belong to the methylammonium-ammonium permease/ammonia transporters superfamily. All Rh family proteins are predicted to be transmembrane proteins with 12 membrane spanning domains and intracytoplasmic N- and C-termini.

RHBG Antibody (C-term) Blocking Peptide - References

Han, K.H., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 297 (1), L153-L163 (2009) Brown, A.C., et al. Am. J. Physiol. Renal Physiol. 296 (6), F1279-F1290 (2009) Sohet, F., et al. J. Biol. Chem. 283(39):26557-26567(2008)