

BSND Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9858b**Specification**

BSND Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q8WZ55](#)

BSND Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7809

Other Names

Barttin, BSND, BART

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.

BSND Antibody (C-term) Blocking Peptide - Protein Information

Name BSND

Synonyms BART

Function

Functions as a beta-subunit for CLCNKA and CLCNKB chloride channels. In the kidney CLCNK/BSND heteromers mediate chloride reabsorption by facilitating its basolateral efflux. In the stria, CLCNK/BSND channels drive potassium secretion by recycling chloride for the basolateral SLC12A2 cotransporter.

Cellular Location

Cell membrane; Multi-pass membrane protein. Cytoplasm. Note=A significant amount also observed intracellularly. Staining in membranes of the renal tubule and of potassium-secreting epithelia of the inner ear is basolateral (By similarity).

Tissue Location

Expressed primarily in kidney. Expressed in specific nephron segments and in the stria vascularis of the inner ear

BSND Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BSND Antibody (C-term) Blocking Peptide - Images**BSND Antibody (C-term) Blocking Peptide - Background**

BSND encodes an essential beta subunit for CLC chloride channels. These heteromeric channels localize to basolateral membranes of renal tubules and of potassium-secreting epithelia of the inner ear.

BSND Antibody (C-term) Blocking Peptide - References

Riazuddin, S., et al. Am. J. Hum. Genet. 85(2):273-280(2009)Brochard, K., et al. Nephrol. Dial. Transplant. 24(5):1455-1464(2009)Bircan, Z., et al. Pediatr. Nephrol. 24(4):841-844(2009)Kathiresan, S., et al. Nat. Genet. 41(3):334-341(2009)Kathiresan, S., et al. Nat. Genet. 41(1):56-65(2009)