

BNC1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16281a**Specification**

BNC1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q01954](#)**BNC1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 646**Other Names**

Zinc finger protein basoonuclin-1, BNC1, BNC

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.

BNC1 Antibody (N-term) Blocking Peptide - Protein Information**Name** BNC1**Synonyms** BNC**Function**

Transcriptional activator (By similarity). It is likely involved in the regulation of keratinocytes terminal differentiation in squamous epithelia and hair follicles (PubMed:8034748). Required for the maintenance of spermatogenesis (By similarity). It is involved in the positive regulation of oocyte maturation, probably acting through the control of BMP15 levels and regulation of AKT signaling cascade (PubMed:30010909). May also play a role in the early development of embryos (By similarity).

Cellular Location

Nucleus. Cytoplasm Nucleus, nucleoplasm. Note=Relocates to the midpiece of the flagellum during late spermiogenesis in spermatids {ECO:0000250|UniProtKB:O35914}

Tissue Location

In epidermis, primarily detected in cells of the basal or immediately suprabasal layers (at protein level) (PubMed:16891417). In hair follicles, mainly expressed in the outer root sheath (at protein

level) (PubMed:8034748). Expressed in epidermis, testis and foreskin, and to a lower extent in thymus, spleen, mammary glands, placenta, brain and heart (PubMed:9687312) Expressed in the ovary, notably in oocytes (PubMed:30010909)

BNC1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BNC1 Antibody (N-term) Blocking Peptide - Images

BNC1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a zinc finger protein present in the basal cell layer of the epidermis and in hair follicles. It is also found in abundance in the germ cells of testis and ovary. This protein is thought to play a regulatory role in keratinocyte proliferation and it may also be a regulator for RNA transcription. This gene seems to have multiple alternatively spliced transcript variants, but their full-length nature is not known yet. There seems to be evidence of multiple polyadenylation sites for this gene.

BNC1 Antibody (N-term) Blocking Peptide - References

Vanhoutteghem, A., et al. Proc. Natl. Acad. Sci. U.S.A. 103(33):12423-12428(2006) Iuchi, S., et al. Exp. Dermatol. 9(3):178-184(2000) Tang, W., et al. Gene 237(1):35-44(1999) Tseng, H., et al. J. Cell. Sci. 112 PT 18, 3039-3047 (1999) Iuchi, S., et al. Proc. Natl. Acad. Sci. U.S.A. 96(17):9628-9632(1999)