

NHLH2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16640c**Specification**

NHLH2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q02577](#)**NHLH2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4808**Other Names**

Helix-loop-helix protein 2, HEN-2, Class A basic helix-loop-helix protein 34, bHLHa34, Nescient helix loop helix 2, NSCL-2, NHLH2, BHLHA34, HEN2, KIAA0490

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.

NHLH2 Antibody (Center) Blocking Peptide - Protein Information**Name** NHLH2**Synonyms** BHLHA34, HEN2, KIAA0490**Function**

Transcription factor which binds the E box motif 5'- CA[TC][AG]TG-3'. Involved in regulating energy expenditure, body mass, voluntary physical activity, mating behavior and reproductive longevity, acting through the hypothalamic-pituitary-gonadal axis. Acts as a transcriptional activator of target genes, including NDN, PCSK1, MC4R (By similarity). Is also a transcriptional activator of KISS1 (PubMed:35066646). May act centrally to regulate function of both white and brown adipose tissue. Together with NHLH1, required to maintain migration and survival of cells in the anterior extramural migration stream (aes), which forms the precerebellar nuclei. Also, in concert with NHLH1, may determine fate of gonadotropin releasing hormone-1 (GnRH-1) neurons.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

NHLH2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NHLH2 Antibody (Center) Blocking Peptide - Images

NHLH2 Antibody (Center) Blocking Peptide - Background

NHLH2 may serve as DNA-binding protein and may be involved in the control of cell-type determination, possibly within the developing nervous system.

NHLH2 Antibody (Center) Blocking Peptide - References

Raychaudhuri, S., et al. Nat. Genet. 41(12):1313-1318(2009)Good, D.J., et al. Exerc Sport Sci Rev 36(4):187-192(2008)Aoyama, M., et al. Cancer Res. 65(11):4587-4597(2005)Lipkowitz, S., et al. J. Biol. Chem. 267(29):21065-21071(1992)Brown, L., et al. Proc. Natl. Acad. Sci. U.S.A. 89(18):8492-8496(1992)