

NHLH2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16640c**Specification**

NHLH2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q02577
Other Accession	Q64221 , NP_001104531.1 , NP_005590.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15018
Antigen Region	63-91

NHLH2 Antibody (Center) - 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

Target/Specificity

This NHLH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-91 amino acids from the Central region of human NHLH2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NHLH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NHLH2 Antibody (Center) - 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

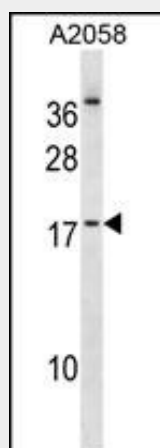
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

NHLH2 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NHLH2 Antibody (Center) - Images



NHLH2 Antibody (Center) (Cat. #AP16640c) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the NHLH2 antibody detected the NHLH2 protein (arrow).

NHLH2 Antibody (Center) - 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) - 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)