

## Helix-loop-helix protein 2 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-NHLH2-1C9]

Catalog No	Format	Size
4808-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4808-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4808-MSM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

<b>Clone</b>	PCR-P-NHLH2-1C9
<b>Immunogen</b>	Recombinant human NHLH2 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2 / Kappa
<b>Mol. Weight of Antigen</b>	15.02kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human

\*Optimal dilution for a specific application should be determined.

### Product Images for Helix-loop-helix protein 2 Antibody

#### Specificity & Comments

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.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

#### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.