

# NHLH1 Rabbit mAb

Catalog No.: A24160 **Recombinant**

## Basic Information

### Observed MW

22kDa

### Calculated MW

15kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA,ChIP

### Cross-Reactivity

Human

### CloneNo number

ARC63732

## Background

The helix-loop-helix (HLH) proteins are a family of putative transcription factors, some of which have been shown to play an important role in growth and development of a wide variety of tissues and species. Four members of this family have been clearly implicated in tumorigenesis via their involvement in chromosomal translocations in lymphoid tumors: MYC (MIM 190080), LYL1 (MIM 151440), E2A (MIM 147141), and SCL (MIM 187040).

## Recommended Dilutions

**WB** 1:1000 - 1:3000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

**ChIP** 5µg antibody for  
10µg-15µg of Chromatin

## Contact

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## Immunogen Information

### Gene ID

4807

### Swiss Prot

Q02575

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-60 of human NHLH1 (NP\_005589.1).

### Synonyms

HEN1; NSCL; NSCL1; bHLHa35; NHLH1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

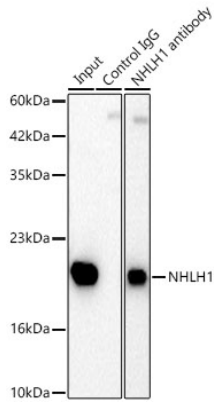
Affinity purification

### Storage

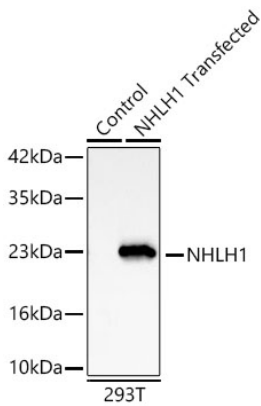
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

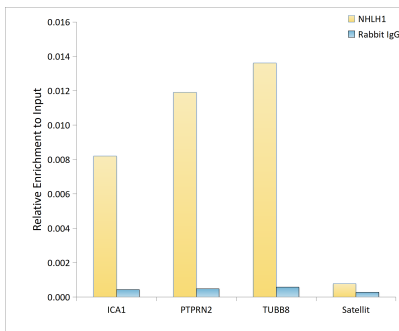
## Validation Data



Immunoprecipitation of NHLH1 in 300 µg extracts from 293F cells transfected with NHLH1, using 3 µg NHLH1 Rabbit mAb (A24160). Western blot was performed from the Immunoprecipitate using NHLH1 Rabbit mAb (A24828) at 1:1000 dilution.



Western blot analysis of lysates from wild type (WT) and 293T cells transfected with NHLH1 using NHLH1 Rabbit mAb (A24160) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 45s.



Chromatin immunoprecipitation was performed with cross-linked chromatin from 293T cells transfected with NHLH1, using NHLH1 Rabbit mAb (A24160) and rabbit IgG (AC042). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.