

# HAND2 Rabbit pAb

**Catalog No.: A7044**

## Basic Information

### Observed MW

26kDa

### Calculated MW

24kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene belongs to the basic helix-loop-helix family of transcription factors. This gene product is one of two closely related family members, the HAND proteins, which are asymmetrically expressed in the developing ventricular chambers and play an essential role in cardiac morphogenesis. Working in a complementary fashion, they function in the formation of the right ventricle and aortic arch arteries, implicating them as mediators of congenital heart disease. In addition, this transcription factor plays an important role in limb and branchial arch development.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:100

## Immunogen Information

### Gene ID

9464

### Swiss Prot

P61296

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 151-217 of human HAND2 (NP\_068808.1).

### Synonyms

Hed; dHand; DHAND2; Thing2; bHLHa26; HAND2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

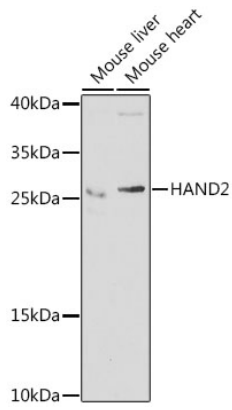
### Storage

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

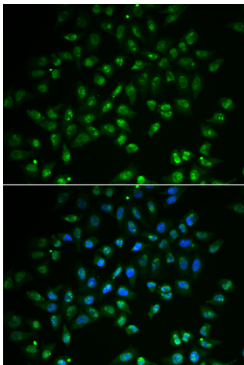
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using HAND2 antibody (A7044) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunofluorescence analysis of A549 cells using HAND2 antibody (A7044). Blue: DAPI for nuclear staining.