

## HAND1 Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP03884
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HAND1. AA range:71-120
Mol wt	23627
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	HAND1 Antibody
Synonyms	HAND1; BHLHA27; EHAND; Heart- and neural crest derivatives-expressed protein 1; Class A basic helix-loop-helix protein 27; bHLHa27; Extraembryonic tissues; heart, autonomic nervous system and neural

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The protein encoded by HAND1 (heart and neural crest derivatives expressed 1) 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, it has been suggested that this transcription factor may be required for early trophoblast differentiation.

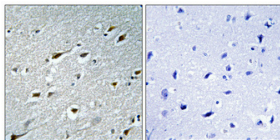
### Recommended Dilution

IHC: 1: 100 - 1: 300

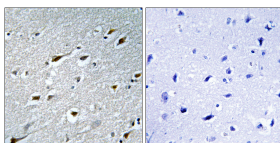
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using HAND1 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year