

#### **International Office**

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# EB12228 - Goat Anti-CDH13 / H-cadherin Antibody

Size: 100µg specific antibody in 200µl



#### **Target Protein**

Principal Names: CDH13, cadherin 13, H-cadherin (heart), CDHH, P105, H-cadherin,

T-cad, T-cadherin, cadherin-13, heart cadherin

Official Symbol: CDH13

Accession Number(s): NP\_001248.1; NP\_001207417.1; NP\_001207418.1

Human GeneID(s): 1012

**Important Comments:** The immunizing peptide represents the N terminus of the mature protein. This antibody is expected to recognize isoform 1, 2 and 3 (NP\_001248.1;

NP\_001207417.1; NP\_001207418.1).

# Immunogen

Peptide with sequence C-DSDRPERSKFRLTGK, from the internal region of the protein sequence according to NP\_001248.1; NP\_001207417.1; NP\_001207418.1.

Please note the peptide is available for sale.

### **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:4000.

**Western blot:** Approx 110kDa band observed in Human Heart lysates and 85kDa in Human Brain (Amygdala and Hippocampus) lysates (calculated MW of 78.3kDa according to NP\_001248.1). The observed molecular weights correspond to the glycosylated forms.

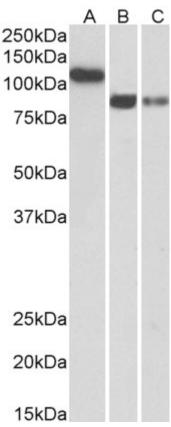
Recommended concentration: 0.3-1µg/ml.

IHC: Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.

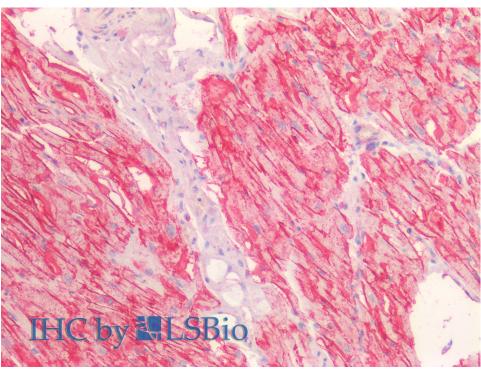
### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human



EB12228 (0.3μg/ml) staining of Human Heart (A), Amygdala (B) and Hippocampus (C) lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB12228 (5μg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.