

## Allgemeine Informationen

**Katalog-Nr.:**  
12618-1-AP

**Größe:**  
150ul, Konzentration: 300 µg/ml von Nanodrop und 220 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG3295

**GenBank-Zugangsnummer:**  
BC030653

**GeneID (NCBI):**  
1012

**Vollständiger Name:**  
cadherin 13, H-cadherin (heart)

**Berechnete Masse:**  
713 aa, 78 kDa

**Beobachtete Masse:**  
105 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:1000  
IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB  
IHC 1:20-1:200

## Anwendungen

**Geprüfte Anwendungen:**

FC, IHC, IP, WB, ELISA

**Getestete Reaktivität:**

Human, Maus

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB:** Mausherzgewebe, humanes Herzgewebe, L02-Zellen

**IP:** Mausherzgewebe,

**IHC:** humanes Endometriumkarzinomgewebe, humanes Herzgewebe

## Hintergrundinformationen

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. Cadherin-13 (CDH13, also known as H-cadherin or T-cadherin) is an atypical member of cadherin family, lacking transmembrane and cytosolic domains and anchored to the exterior surface of the plasma membrane via a GPI anchor. CDH13 is thought to affect cellular behavior largely through its signaling properties. It is highly expressed in heart, and in the CNS, CDH13 is expressed in cerebral cortex, medulla, hippocampus, amygdala, thalamus and substantia nigra. It is often down-regulated in cancerous cells. The CDH13 cDNA encodes a 713-amino acid protein, which has a calculated molecular weight of 78 kDa. Studies have detected variable bands on Western blots, including 105 kDa (mature form), 130 kDa (precursor), and 45 kDa, which may be a post-translational processing variant of CDH13 (PMID: 19399994).

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

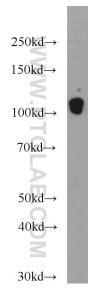
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

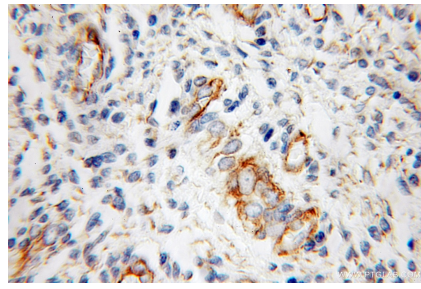
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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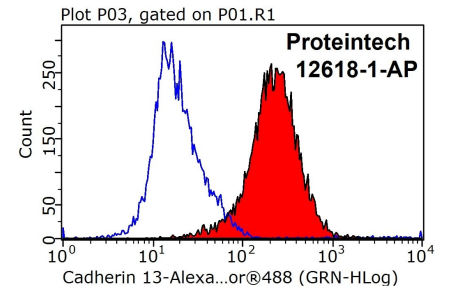
## Ausgewählte Validierungsdaten



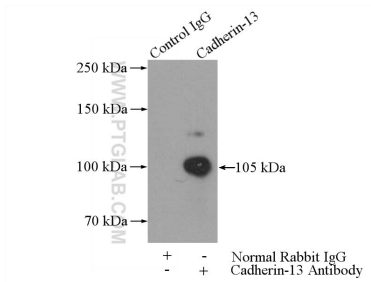
mouse heart tissue were subjected to SDS PAGE followed by western blot with 12618-1-AP (Cadherin-13 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 12618-1-AP (Cadherin-13 antibody) at dilution of 1:100 (under 10x lens).



1X10<sup>6</sup> Jurkat cells were stained with 0.5ug Cadherin-13 antibody (12618-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP Result of anti-Cadherin-13 (IP:12618-1-AP, 4ug; Detection:12618-1-AP 1:700) with mouse heart tissue lysate 4000ug.