

Cadherin-13 Polyclonal Antibody

Catalog number: 12618-1-AP

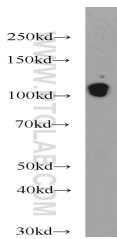
Size: 33 µg/150 µl

Source: Rabbit

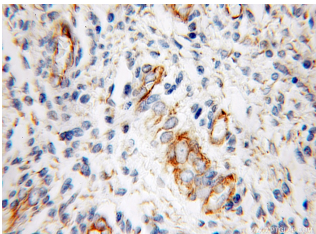
Isotype: IgG

Synonyms:

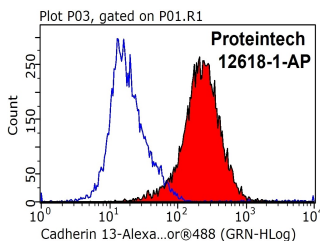
CDH13; Cadherin 13, Cadherin-13, CDH13, CDHH, H cadherin, H-cadherin, Heart cadherin, P105, T cad, T cadherin, T-cadherin, Truncated cadherin



mouse heart tissue were subjected to SDS PAGE followed by western blot with 12618-1-AP(CDH13 antibody) at dilution of 1:1000



Immunohistochemical of paraffin-embedded human endometrial cancer using 12618-1-AP(CDH13 antibody) at dilution of 1:100 (under 10x lens)



1X10⁶ Jurkat cells were stained with 0.5µg CDH13 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.

Background

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).

Applications

Tested applications:	ELISA, WB, IHC, FC, IP
Species specificity:	Human, Mouse; other species not tested.
Calculated Cadherin-13 MW:	713aa, 78 kDa
Observed Cadherin-13 MW:	105 kDa
Positive WB detected in	Mouse heart tissue, human heart tissue, L02 cells
Positive IP detected in	Mouse heart tissue
Positive IHC detected in	Human endometrial cancer tissue, human heart tissue
Positive FC detected in	Jurkat cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 FC: N/A

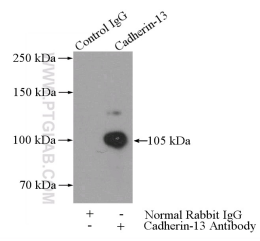
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3295
GenBank accession number:	BC030653
Gene ID (NCBI):	1012
Full name:	Cadherin 13, H-cadherin (heart)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-CDH13
(IP:12618-1-AP, 4ug;
Detection:12618-1-AP 1:700)
with mouse heart tissue lysate
4000ug.