

Product datasheet for **AP06794PU-M**

CDHH (CDH13) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 330-380 of Human CDH13.
Specificity:	This antibody detects endogenous levels of T-Cadherin protein. (region surrounding Met352)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~78 kDa
Gene Name:	cadherin 13
Database Link:	Entrez Gene 1012 Human P55290

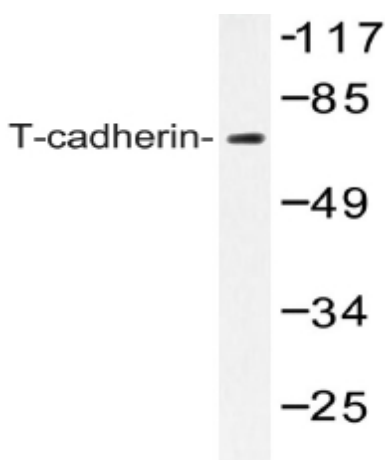
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Background:

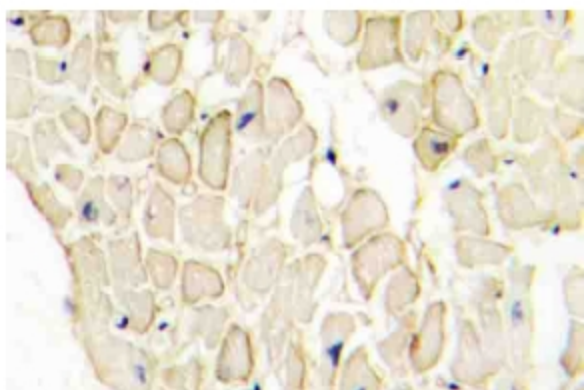
The cadherins are a family of Ca^{++} -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Cadherins each contain a large extracellular domain at the amino terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short carboxy terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including β -catenin, to regulate cadherin function. T-cadherin (for truncated-cadherin, also designated heartcadherin or cadherin-13) expression levels have been shown to be reduced in human breast cancers and carcinoma cells lines. Evidence suggests that decreased levels of T-cadherin indicate a progression in breast malignancies.

Synonyms:

CDH13, CDHH, Truncated cadherin, Heart cadherin, P105, T-Cadherin, Cadherin T, H-Cadherin, Cadherin H

Product images:


Western blot analysis of T-Cadherin antibody in extracts from LOVO cells.



Immunohistochemistry analysis of T-Cadherin antibody in paraffin-embedded human heart tissue.