Datasheet for ABIN272293

anti-Cadherin 13 antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	Cadherin 13 (CDH13)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of T-Cadherin protein. (region surrounding Met352)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity Chromatography using epitope-specific immunogen

Target Details

Target:	Cadherin 13 (CDH13)
Alternative Name:	Cadherin-13 (CDH13 Products)
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

Target Details

	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, Cadherin H, Cadherin T, H-Cadherin, Heart cadherin, P105, T-Cadherin, Truncated cadherin
Molecular Weight:	approx. 78 kDa
Gene ID:	1012
NCBI Accession:	NP_001248
UniProt:	P55290
Pathways:	EGFR Signaling Pathway, Cell-Cell Junction Organization

Application Details

Application Notes:	ELISA: 1/20000approx. 1/40000. Western Blot: 1/500approx. 1/1000. Immunohistochemistry: 1/50approx. 1/200. Immunofluorescence: 1/50approx. 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH ~7.2, 0.05 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

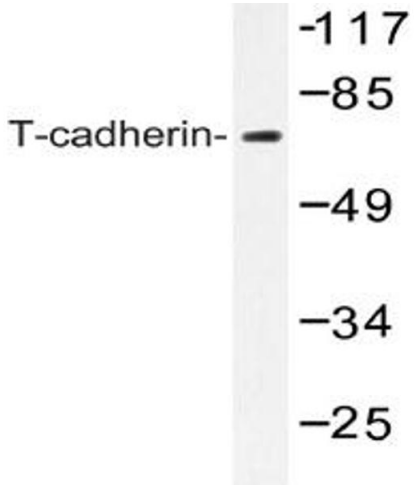

Image 1.

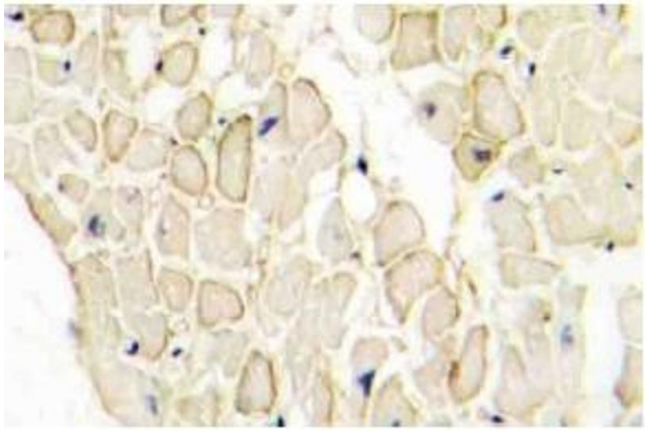

Image 2.