

Rabbit T-cadherin Polyclonal Antibody | anti-CDH13 antibody

T-cadherin Antibody

CATALOG # AAA321871	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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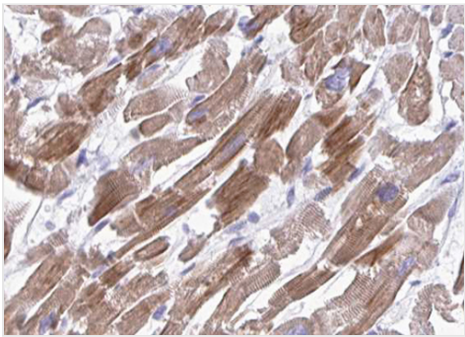
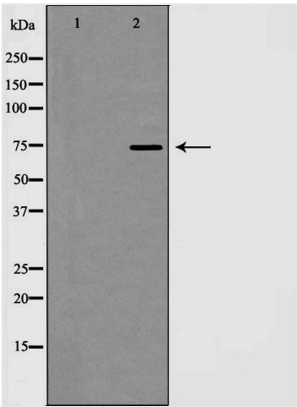
PRODUCT SYNONYMS

T-cadherin; Polyclonal Antibody; T-cadherin Antibody; CAD13_HUMAN; Cadherin-13; CDH13; CDHH; H-cadherin; Heart cadherin; P105; T cad; T Cadherin; T-cad; Truncated cadherin; anti-CDH13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	T-cadherin antibody detects endogenous levels of total T-cadherin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	674
Applicable Applications for anti-CDH13 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human T-cadherin
Subcellular Location	Cell Membrane
Tissue Specificity	Highly expressed in heart. In the CNS, expressed in cerebral cortex, medulla, hippocampus, amygdala, thalamus and substantia nigra. No expression detected in cerebellum or spinal cord.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (89%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321871 at 1/100 staining human Heart muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of T-cadherin expression in HT29 cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH13 antibody	Function: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. May act as a negative regulator of neural cell growth. Subunit Structure: By contrast to classical cadherins, homodimerization in trans is not mediated by cadherin EC1 domain strand-swapping, but instead through a homophilic adhesive interface which joins two elongated EC1-EC2 domains through a region near their Ca2+-binding sites to form a tetrahedral, X-like shape. Similarity: Three calcium ions are usually bound at the interface of each cadherin domain and rigidify the connections, imparting a strong curvature to the full-length ectodomain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333944018
NCBI GeneID	1012
NCBI Accession #	NP_001207418.1
NCBI GenBank Nucleotide #	NM_001220489.1
UniProt Accession #	P55290; Q6GTW4; Q8TBX3; A8W476; A8W477; B7Z590; C9JRI6; J3KN62
Molecular Weight	Observed: 78 kDa Predicted: 79 kDa
NCBI Official Full Name	cadherin-13 isoform 3
NCBI Official Synonym Full Names	cadherin 13
NCBI Official Symbol	CDH13
NCBI Official Synonym Symbols	CDHH; P105
NCBI Protein Information	cadherin-13
UniProt Protein Name	Cadherin-13
UniProt Gene Name	CDH13
UniProt Synonym Gene Names	CDHH; H-cadherin; T-cad; T-cadherin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

