

Datasheet: AHP1018

Description:	RABBIT ANTI HUMAN CADHERIN 13
Specificity:	CADHERIN 13
Other names:	T-CADHERIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1.0ug/ml
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to Cadherin 13 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide corresponding to N-terminus of human Cadherin 13.

External Database Links	UniProt: P55290 Related reagents Entrez Gene: 1012 CDH13 Related reagents
Synonyms	CDHH
Specificity	<p>Rabbit anti Human cadherin 13 antibody recognizes human Cadherin 13, a ~78 kDa, calcium-dependent, glycoprotein. While Cadherin 13 is a member of the cadherin family, it lacks their conserved cytoplasmic region, being instead anchored to the plasma membrane via glycosylphosphatidylinositol linkage. It is expressed in the heart and CNS with the exception of the cerebellum and spinal cord.</p> <p>Cadherin 13 is classified as a cell-cell adhesion molecule, although it is likely that it's role is in signalling and not physical adhesion. It is involved in regulating low-density lipoprotein-initiated cell proliferation, keratinocyte proliferation, neural cell growth and may play a role in metabolic regulation. Cadherin 13 protects endothelial cells from oxidative stress-induced apoptosis and may contribute to progression of vascular disorders such as atherosclerosis, restenosis and tumour angiogenesis.</p>
Western Blotting	AHP1018 detects a band/s of approximately 78kDa in 3T3 cell lysates.
Further Reading	1. Ivanov, D. (2004) T-cadherin upregulation correlates with cell-cycle progression and promotes proliferation of vascular cells. Cardiovasc Res. 64:132-143.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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