

## Datasheet: AHP1018

**BATCH NUMBER 150413**

<b>Description:</b>	RABBIT ANTI HUMAN CADHERIN 13
<b>Specificity:</b>	CADHERIN 13
<b>Other names:</b>	T-CADHERIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	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.

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
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<b>Immunogen</b>	Synthetic peptide corresponding to N-terminus of human Cadherin 13.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P55290</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">1012</a> CDH13 <a href="#">Related reagents</a>
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<b>Synonyms</b>	CDHH
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<b>RRID</b>	AB_2260280
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<b>Specificity</b>	<p><b>Rabbit anti Human cadherin 13 antibody</b> 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>
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<b>Western Blotting</b>	AHP1018 detects a band/s of approximately 78kDa in 3T3 cell lysates.
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<b>Further Reading</b>	1. Ivanov, D. <i>et al.</i> (2004) T-cadherin upregulation correlates with cell-cycle progression and promotes proliferation of vascular cells. <a href="#">Cardiovasc Res. 64 (1): 132-43.</a>
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<b>Storage</b>	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.
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<b>Guarantee</b>	12 months from date of despatch
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**Health And Safety Information**      Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1018>  
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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M363773:200529'

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