

## Datasheet: AHP1136

<b>Description:</b>	RABBIT ANTI WNT2B
<b>Specificity:</b>	WNT2B
<b>Other names:</b>	WNT13
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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 (1)	▪			5 - 10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Rat, Mouse

**N.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.

### Product Form

Purified IgG - liquid

**Antiserum Preparation** Antisera to Wnt2b were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG prepared by affinity chromatography.

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

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**Approx. Protein Concentrations** IgG concentration 0.5mg/ml

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**Immunogen** Synthetic peptide corresponding to an internal domain of human Wnt2b.

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**External Database Links**

**UniProt:**

[Q93097](#)

[Related reagents](#)

**Entrez Gene:**

[7482](#)

WNT2B

[Related reagents](#)

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**Synonyms** WNT13

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**RRID** AB\_2215279

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**Specificity**

**Rabbit anti Human Wnt2b antibody** detects an epitope within the internal region of human Wnt2b, also known as Wnt13. Wnt2b is a signalling factor which acts as a ligand for members of the frizzled family of seven transmembrane receptors. It is thought to play a key role during mammalian early embryogenesis, and may also function as a stem cell factor for neural and retinal progenitor cells.

The Wnt2b gene encodes two alternative transcript variants; Wnt2B splicing variant 1 encodes secreted-type glycoprotein (Wnt2B isoform 1), while Wnt2B splicing variant 2 encodes a transmembrane-type glycoprotein (Wnt2B isoform 2).

Wnt2b has been implicated in gastric cancer, esophageal cancer and skin basal cell carcinoma ([Katoh 2005](#)).

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**Histology Positive Control Tissue**

Brain, cerebellum.

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**References**

1. Katoh, M. (2005) WNT2B: comparative integromics and clinical applications (Review). [Int J Mol Med. 16 \(6\): 1103-8.](#)

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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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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](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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)

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