

## Datasheet: AHP2344

<b>Description:</b>	RABBIT ANTI ROBO4
<b>Specificity:</b>	ROBO4
<b>Other names:</b>	ROUNDAABOUT HOMOLOG 4
<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
Western Blotting	▪			0.5 - 4.0 ug/ml

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

Rat

### Species Cross Reactivity

Reacts with: Human

**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

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

30% Glycerol  
0.5% Bovine Serum Albumin  
0.01% Thiomersal  
5mM EDTA

### Approx. Protein

IgG concentration 0.5 mg/ml

## Concentrations

**Immunogen** Synthetic peptide surrounding amino acid 322 of rat ROBO4

## External Database Links

### UniProt:

[Q80W87](#) [Related reagents](#)

### Entrez Gene:

[300518](#) Robo4 [Related reagents](#)

## Specificity

**Rabbit anti ROBO4 antibody** recognizes roundabout homolog 4, also known as magic roundabout and is a member of the immunoglobulin superfamily and ROBO family. It is predominantly expressed in embryonic or tumor vascular endothelium cells and is considered important for vascular development and as a candidate tumor endothelial marker. Robo proteins provide potential target structures for the anti-tumorigenic and anti-angiogenic therapy of colorectal carcinoma.

## Western Blotting

Rabbit anti ROBO4 antibody recognizes a band of approximately 160kDa in Jurkat lysates

## Storage

Store at -20°C  
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.

## Guarantee

12 months from date of despatch

## Health And Safety Information

Material Safety Datasheet documentation #10584 available at:  
10584: <https://www.bio-rad-antibodies.com/uploads/MSDS/10584.pdf>

## Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

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

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