

## Datasheet: AHP2740

<b>Description:</b>	RABBIT ANTI SMURF1
<b>Specificity:</b>	SMURF1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

### 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	▪			1/500 - 1/1000

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

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to SMURF1 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative** <0.1% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 50% Glycerol

**Immunogen** A synthetic peptide corresponding to amino acids 66-96 of human SMURF1

#### External Database Links

##### UniProt:

[Q9HCE7](#)

[Related reagents](#)

##### Entrez Gene:

[57154](#)

SMURF1

[Related reagents](#)

<b>Synonyms</b>	KIAA1625
<b>Specificity</b>	<b>Rabbit anti SMURF1 antibody</b> recognizes E3 ubiquitin-protein ligase SMURF1, also known as hSMURF1, HECT-type E3 ubiquitin transferase SMURF1 and SMAD ubiquitination regulatory factor 1. It belongs to the HECT family of E3 ubiquitin ligases and controls osteoblast activity and bone homeostasis ( <a href="#">Yamashita et al. 2005</a> ). It is involved in BMP receptor trafficking and signaling ( <a href="#">Murakami and Etlinger 2018</a> ). SMURF1 plays a role in breast cancer migration and invasion by downregulating RhoA ( <a href="#">Kwon et al. 2013</a> ). It also regulates cell migration by ubiquitinating tumor necrosis factor receptor-associated factor 4 (TRAF4) ( <a href="#">Wang et al. 2013</a> ).
<b>Western Blotting</b>	Rabbit anti SMURF1 antibody detects a band of approximately 86 kDa in HeLa cell lysate and mouse kidney lysate under reducing conditions
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
<b>Regulatory</b>	For research purposes only

## 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](#)

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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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