

## Datasheet: AHP2741

<b>Description:</b>	RABBIT ANTI CHONDROITIN SULPHATE PROTEOGLYCAN NG2
<b>Specificity:</b>	CHONDROITIN SULPHATE PROTEOGLYCAN NG2
<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 - 1/2000

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
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<b>Product Form</b>	Purified IgG - liquid
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**Antiserum Preparation** Antiserum to chondroitin sulphate proteoglycan NG2 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol

<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1950-2210 of human chondroitin sulphate proteoglycan NG2
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### External Database Links

#### UniProt:

[Q6UVK1](#)

[Related reagents](#)

**Entrez Gene:**[1464](#) CSPG4 [Related reagents](#)

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<b>Synonyms</b>	MCSP
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<b>Specificity</b>	<b>Rabbit anti chondroitin sulphate proteoglycan NG2 antibody</b> recognizes chondroitin sulfate proteoglycan NG2 also known as chondroitin sulfate proteoglycan 4 (CSPG4) and melanoma chondroitin sulfate proteoglycan. It was first characterized in rat as a high-molecular-weight type 1 membrane proteoglycan ( <a href="#">Stallcup 1981</a> ). CSPG4 is involved in cell attachment and migration ( <a href="#">Karram et al. 2005</a> ). It regulates spreading of melanoma cells by recruiting and activating a signalling cascade through CDC42, ACK1 and p130cas ( <a href="#">Eisenmann et al. 1999</a> ). It enhances FAK and ERK activation ( <a href="#">Yang et al. 2004</a> ).
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<b>Western Blotting</b>	Rabbit anti chondroitin sulphate proteoglycan NG2 antibody detects a band of approximately 320 kDa in HeLa and A375 cell lysates under reducing conditions
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<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.
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<b>Guarantee</b>	12 months from date of despatch
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<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>
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<b>Regulatory</b>	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](#)  
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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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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Printed on 21 Mar 2022