

Datasheet: AHP2741

BATCH NUMBER 148752

Description:	RABBIT ANTI CHONDROITIN SULPHATE PROTEOGLYCAN NG2
Specificity:	CHONDROITIN SULPHATE PROTEOGLYCAN NG2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species

Human

Product Form

Purified IgG - liquid

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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1950-2210 of human chondroitin sulphate proteoglycan NG2

External Database Links

UniProt:

[Q6UVK1](#)

[Related reagents](#)

Entrez Gene:

[1464](#) CSPG4 [Related reagents](#)

Synonyms	MCSP
-----------------	------

Specificity	Rabbit anti chondroitin sulphate proteoglycan NG2 antibody 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 (Stallcup 1981). CSPG4 is involved in cell attachment and migration (Karram et al. 2005). It regulates spreading of melanoma cells by recruiting and activating a signalling cascade through CDC42, ACK1 and p130cas (Eisenmann et al. 1999). It enhances FAK and ERK activation (Yang et al. 2004).
--------------------	--

Western Blotting	Rabbit anti chondroitin sulphate proteoglycan NG2 antibody detects a band of approximately 320 kDa in HeLa and A375 cell lysates under reducing conditions
-------------------------	--

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 #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2741 10049
--------------------------------------	---

Regulatory	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](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

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)
'M346102:190130'

Printed on 06 Oct 2023