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# Datasheet for ABIN7147644 anti-NG2 antibody (AA 1950-2210)

2 Images



### Overview

Quantity:	100 μL
Target:	NG2 (MCSP)
Binding Specificity:	AA 1950-2210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human Chondroitin sulfate proteoglycan 4 protein (1950-2210AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	NG2 (MCSP)
Alternative Name:	CSPG4 (MCSP Products)
Background:	Background: Proteoglycan playing a role in cell proliferation and migration which stimulates
	endothelial cells motility during microvascular morphogenesis. May also inhibit neurite

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7147644 | 09/09/2023 | Copyright antibodies-online. All rights reserved. outgrowth and growth cone collapse during axon regeneration. Cell surface receptor for collagen alpha 2(VI) which may confer cells ability to migrate on that substrate. Binds through its extracellular N-terminus growth factors, extracellular matrix proteases modulating their activity. May regulate MPP16-dependent degradation and invasion of type I collagen participating in melanoma cells invasion properties. May modulate the plasminogen system by enhancing plasminogen activation and inhibiting angiostatin. Functions also as a signal transducing protein by binding through its cytoplasmic C-terminus scaffolding and signaling proteins. May promote retraction fiber formation and cell polarization through Rho GTPase activation. May stimulate alpha-4, beta-1 integrin-mediated adhesion and spreading by recruiting and activating a signaling cascade through CDC42, ACK1 and BCAR1. May activate FAK and ERK1/ERK2 signaling cascades.

Aliases: 4732461B14Rik antibody, AN2 antibody, AN2 proteoglycan antibody, Chondroitin sulfate proteoglycan 4 (melanoma-associated) antibody, Chondroitin sulfate proteoglycan 4 antibody, Chondroitin sulfate proteoglycan NG2 antibody, Cspg4 antibody, Cspg4 chondroitin sulfate proteoglycan 4 antibody, CSPG4\_HUMAN antibody, HMW-MAA antibody, HSN tumor-specific antigen antibody, Kiaa4232 antibody, MCSP antibody, MCSPG antibody, MEL-CSPG antibody, Melanoma chondroitin sulfate proteoglycan antibody, MELCSPG antibody, MSK16 antibody, NG2 antibody

UniProt:	Q6UVK1
Pathways:	Glycosaminoglycan Metabolic Process

#### Application Details

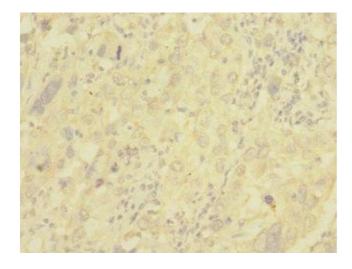
Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

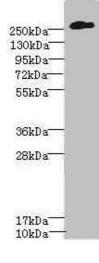
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#### Images



#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7147644 at dilution of 1:100



#### Western Blotting

**Image 2.** Western blot All lanes: CSPG4 antibody at 2.51  $\mu$  g/mL + A375 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 251 kDa Observed band size: 251 kDa

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