

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-CSPG4,NG2



Numéro de catalogue:55027-1-AP

21 Publications

## Informations de base

<b>Numéro de catalogue:</b> 55027-1-AP	<b>Numéro d'acquisition GenBank:</b> NM_001897	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 1464	<b>Dilutions recommandées:</b> WB 1:1000-1:4000
<b>Hôte:</b> Lapin	<b>Nom complet:</b> chondroïtin sulfate proteoglycan 4	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 251 kDa	
	<b>MW observés:</b> 240-250 kDa, 450kDa	

## Applications

<b>Applications testées:</b> WB, ELISA	<b>Contrôles positifs:</b> WB : cellules A375,
<b>Demandes citées:</b> FC, IHC, WB	
<b>Spécificité de l'espèce:</b> Humain, rat, souris	
<b>Espèces citées:</b> Humain, rat, souris	

## Informations générales

CSPG4, also named as HMW-MAA, MCSP, MCSPG, MEL-CSPG, MSK16 and NG2, is a proteoglycan playing a role in cell proliferation and migration which stimulates endothelial cells motility during microvascular morphogenesis. CSPG4 may inhibit neurite outgrowth and growth cone collapse during axon regeneration. It is cell surface receptor for collagen alpha 2(VI) which may confer cells ability to migrate on that substrate. CSPG4 may regulate MMP16-dependent degradation and invasion of type I collagen participating in melanoma cells invasion properties. It modulates the plasminogen system by enhancing plasminogen activation and inhibiting angiostatin. CSPG4 functions as a signal transducing protein by binding through its cytoplasmic C-terminus scaffolding and signaling proteins. It promotes retraction fiber formation and cell polarization through Rho GTPase activation and stimulates alpha-4, beta-1 integrin-mediated adhesion and spreading by recruiting and activating a signaling cascade through CDC42, ACK1 and BCAR1. CSPG4 activates FAK and ERK1/ERK2 signaling cascades. The antibody is specific to CSPG4.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Lirong Liang	34585785	J Pineal Res	WB
Yu Shen	31563141	J Neurochem	
Shuisheng Yu	34646136	Front Pharmacol	IF

## Stockage

**Stockage:**  
Stocker à -20°C. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

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## Données de validation sélectionnées



A375 cells were subjected to SDS PAGE followed by western blot with 55027-1-AP (CSPG4,NG2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.