

Nur für Forschungszwecke

CSPG4,NG2 Polyklonaler Antikörper



Katalog-Nr.:55027-1-AP

19 Publikationen

Allgemeine Informationen

| | | |
|--|--|--|
| Katalog-Nr.: 55027-1-AP | GenBank-Zugangsnummer: NM_001897 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul , Konzentration: 800 µg/ml von Nanodrop; | GeneID (NCBI): 1464 | Empfohlene Verdünnungen: WB 1:1000-1:4000 |
| Wirt: Kaninchen | Vollständiger Name: chondroitin sulfate proteoglycan 4 | |
| Isotyp: IgG | Berechnete Masse: 251 kDa | |
| | Beobachtete Masse: 240-250 kDa, 450kDa | |

Anwendungen

| | |
|--|--|
| Geprüfte Anwendungen: WB, ELISA | Positivkontrollen: WB : A375-Zellen, |
| In Publikationen genannte Anwendungen: FC, IHC, WB | |
| Getestete Reaktivität: Human, Maus, Ratte | |
| Zitierte Arten: Human, Maus, Ratte | |

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|--------------|-----------|-----------------|-----------|
| Lirong Liang | 34585785 | J Pineal Res | WB |
| Yu Shen | 31563141 | J Neurochem | |
| Shuisheng Yu | 34646136 | Front Pharmacol | IF |

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



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.