À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-SLIT2-Specific

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:20217-1-AP Phare 18 Publications

Informations de base

Numéro de catalogue:
20217-1-AP

Taille:
150ul , Concentration: 800 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
NM_004787

Identification du gène (NCBI):
9353

Nom complet:
slit homolog 2 (Drosophila)

MW calculé
170 kDa

MW observés:
130-140 kDa, 200 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IHC 1:20-1:200
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
ELISA, IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, tissu cérébral de souris

IHC : tissu rénal humain, tissu de cancer du sein humain

IF : cellules HEK-293,

Informations générales

SLIT2, also named as SLIL3, is thought to act as molecular guidance cue in cellular migration, and function appears to be mediated by interaction with roundabout homolog receptors. During neural development it is involved in axonal navigation at the ventral midline of the neural tube and projection of axons to different regions. SLIT1 and SLIT2 seem to be essential for midline guidance in the forebrain by acting as repulsive signal preventing inappropriate midline crossing by axons projecting from the olfactory bulb. In spinal chord development, SLIT2 may play a role in guiding commissural axons once they reached the floor plate by modulating the response to netrin. SLIT2 may be implicated in spinal chord midline post-crossing axon repulsion. In vitro, only commissural axons that crossed the midline responded to SLIT2. In the developing visual system it appears to function as repellent for retinal ganglion axons by providing a repulsion that directs these axons along their appropriate paths prior to, and after passage through, the optic chiasm. In vitro, it collapses and repels retinal ganglion cell growth cones. SLIT2 seems to play a role in branching and arborization of CNS sensory axons, and in neuronal cell migration. It seems to be involved in regulating leukocyte migration. The antibody is specific to SLIT2.

Publications notables

Autrice	Pubmed ID	Journal	Application
Bernardo Tavora	32999457	Nature	WB,IF
Heike Blockus	34686348	Cell Rep	WB,IHC
Tongtong Jiang	36250924	FASEB J	WB,IHC

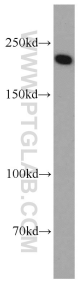
Stockage

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

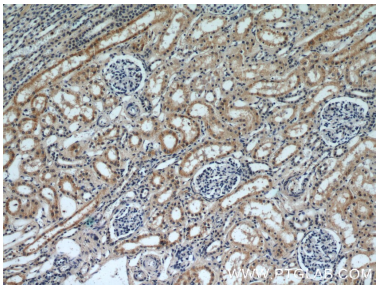
***** Les 20ul contiennent 0,1% de BSA.**

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

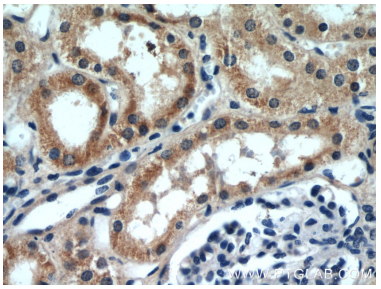
Données de validation sélectionnées



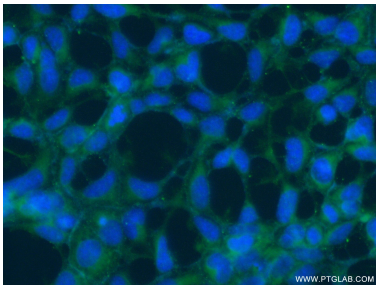
HEK-293 cells were subjected to SDS PAGE followed by western blot with 20217-1-AP (SLIT2-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



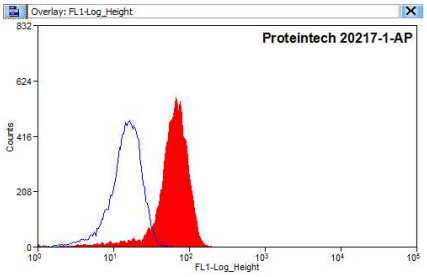
Immunohistochemical analysis of paraffin-embedded human kidney using 20217-1-AP (SLIT2-Specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 20217-1-AP (SLIT2-Specific antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 20217-1-AP (SLIT2-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HEK-293 cells were stained with 0.2ug SLIT2-Specific antibody (20217-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.