

Nur für Forschungszwecke

SLIT2-Specific Polyklonaler Antikörper



Katalog-Nr.: 20217-1-AP

Vorgestelltes Produkt

17 Publikationen

Allgemeine Informationen

| | | |
|--|---|---|
| Katalog-Nr.: 20217-1-AP | GenBank-Zugangsnummer: NM_004787 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul, Konzentration: 800 µg/ml von Nanodrop; | GeneID (NCBI): 9353 | Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500 |
| Wirt: Kaninchen | Vollständiger Name: slit homolog 2 (Drosophila) | |
| Isotyp: IgG | Berechnete Masse: 170 kDa | |
| | Beobachtete Masse: 130-140 kDa, 200 kDa | |

Anwendungen

| | |
|---|--|
| Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA | Positivkontrollen: WB : HEK-293-Zellen, Maushirngewebe |
| In Publikationen genannte Anwendungen: IF, IHC, WB | IHC : humanes Nierengewebe, humanes Mammakarzinomgewebe |
| Getestete Reaktivität: Human, Maus, Ratte | IF : HEK-293-Zellen, |
| Zitierte Arten: Human, Maus, Ratte | |
| Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen. | |

Hintergrundinformationen

SLIT2, also named as SLIT3, 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.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|-----------------|-----------|----------|-----------|
| Bernardo Tavora | 32999457 | Nature | WB,IF |
| Heike Blockus | 34686348 | Cell Rep | WB,IHC |
| Tongtong Jiang | 36250924 | FASEB J | WB,IHC |

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

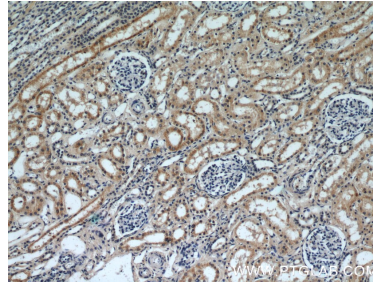
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

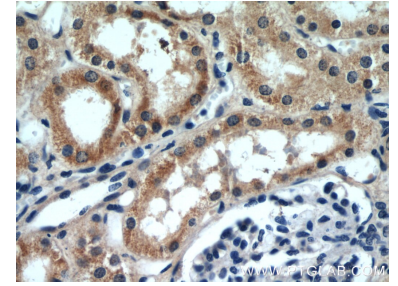
Ausgewählte Validierungsdaten



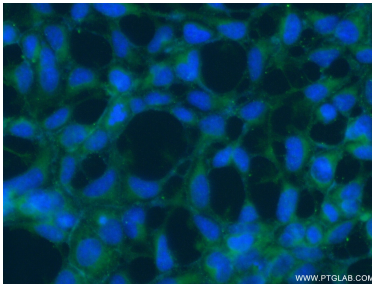
HEK-293 cells were subjected to SDS PAGE followed by western blot with 20217-1-AP (SLIT2-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



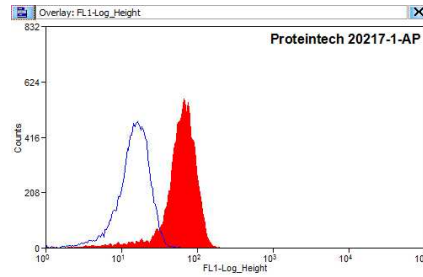
Immunohistochemical analysis of paraffin-embedded human kidney using 20217-1-AP (SLIT2-Specific antibody) at dilution of 1:50 (under 10x lens).



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).



1×10^6 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.