Nur für Forschungszwecke

EphA4 Polyklonaler Antikörper

Katalog-Nr.:21875-1-AP Vorgestelltes Produkt 4 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
21875-1-AP

Größe:
150ul , Konzentration: 500 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG16233

GenBank-Zugangsnummer:
BC026327

GeneID (NCBI):
2043

Vollständiger Name:
EPH receptor A4

Berechneté Masse:
986 aa, 110 kDa

Beobachteté Masse:
120 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:2000
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
IHC 1:1000-1:4000
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
FC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Maushirngewebe, Rattenhirngewebe

IP : Maushirngewebe,

IHC : Maushirngewebe,

IF : Neuronzellen,

Hintergrundinformationen

EphA4 is a member of the Eph receptor tyrosine kinase family and has important functions in the developing and adult nervous system (PMID: 14697664). The Eph receptors comprise a large family of closely related transmembrane tyrosine kinases that actively signal when bound to their ephrin ligands. The Eph receptors are characterized by an extracellular region with a unique cysteine-rich motif extending over its amino-terminal half, followed by two fibronectin type III motifs (PMID: 9530499). They are divided into two sub-groups (EphA and EphB) based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands (PMID: 11114742). EphA4 is involved in commissure formation within the forebrain, axonal guidance in the corticospinal tract, regulation of the central pattern generator that provides normal locomotor function and axonal regeneration following spinal cord injury (PMID: 30061574). EphA4 has been implicated as a disease modifier of amyotrophic lateral sclerosis (ALS) (PMID: 22922411).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Laurel B Darragh	36434392	Nat Cancer	FC
De Cai	31150684	Life Sci	WB
Elizabeth A Kowalski	35737458	JCI Insight	FC

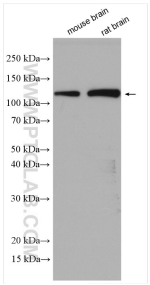
Lagerung

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

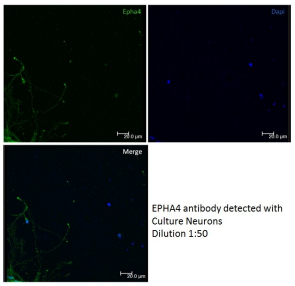
*** 20ul-Größen enthalten 0.1% BSA

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

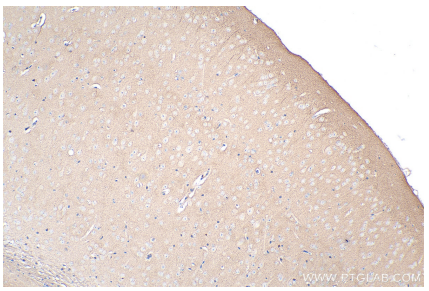
Ausgewählte Validierungsdaten



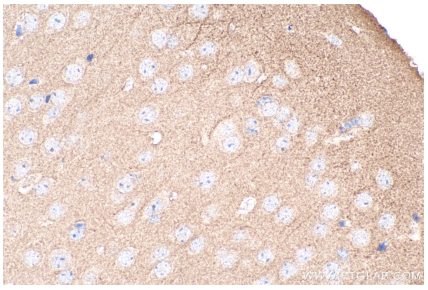
Various lysates were subjected to SDS PAGE followed by western blot with 21875-1-AP (EphA4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



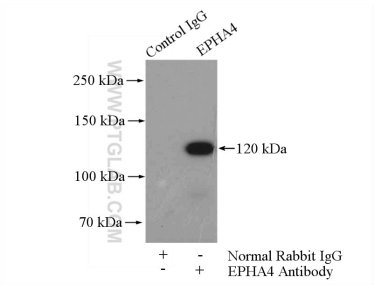
IF result of EphA4 antibody (21875-1-AP, 1:50) with culture neuron cells by Wilson Pak Kin Lou.



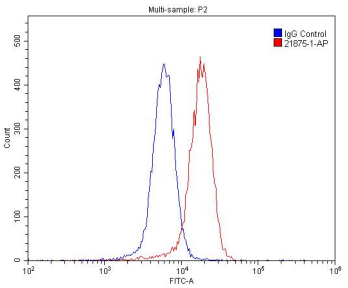
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21875-1-AP (EphA4 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21875-1-AP (EphA4 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-EphA4 (IP:21875-1-AP, 4ug; Detection:21875-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



1X10^6 SH-SY5Y cells were stained with 0.2ug EphA4 antibody (21875-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.