

Allgemeine Informationen

Katalog-Nr.:

19739-1-AP

Größe:

150ul, Konzentration: 550 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_006772

GeneID (NCBI):

8831

Vollständiger Name:

synaptic Ras GTPase activating protein 1 homolog (rat)

Berechnete Masse:

1343 aa, 148 kDa

Beobachtete Masse:

148 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:4000
IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
IHC 1:50-1:500
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

Zitierte Arten:

Maus

Positivkontrollen:

WB: Maushirngewebe, rat brain tissues, pig brain tissues

IP: Maushirngewebe,

IHC: Maushirngewebe,

IF: U-251-Zellen,

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

Hintergrundinformationen

SYNGAP1, also named as KIAA1938, is the major constituent of the PSD essential for postsynaptic signaling. It's an inhibitory regulator of the Ras-cAMP pathway. SYNGAP1 is a member of the NMDAR signaling complex in excitatory synapses, it may play a role in NMDAR-dependent control of AMPAR potentiation, AMPAR membrane trafficking and synaptic plasticity. SYNGAP1 regulates AMPAR-mediated miniature excitatory postsynaptic currents. SYNGAP1 may be involved in certain forms of brain injury, leading to long-term learning and memory deficits. Defects in SYNGAP1 are the cause of mental retardation autosomal dominant type 5 (MRD5).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shangru Lyu	36244636	Neuroscience	WB
Sydney Aten	33174316	Eur J Neurosci	WB, IHC
Cong-Cong Qi	33732137	Front Aging Neurosci	WB

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

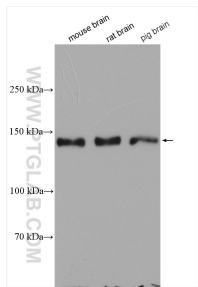
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

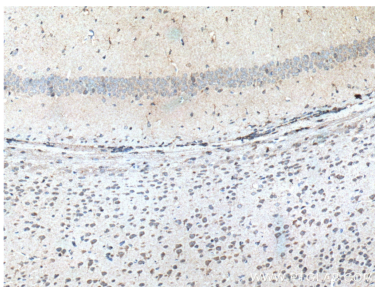
E: proteintech@ptglab.com
W: ptglab.com

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

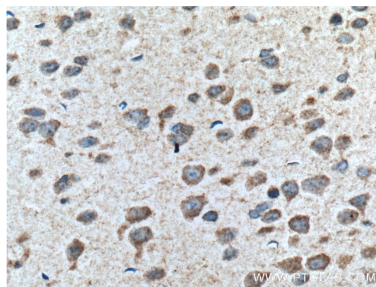
Ausgewählte Validierungsdaten



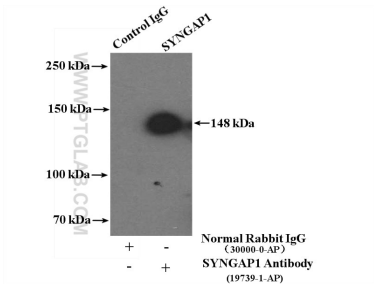
Various lysates were subjected to SDS PAGE followed by western blot with 19739-1-AP (SYNGAP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



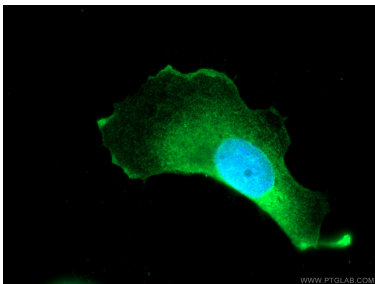
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19739-1-AP (SYNGAP1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19739-1-AP (SYNGAP1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-SYNGAP1 (IP:19739-1-AP, 4ug; Detection:19739-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using 19739-1-AP (SYNGAP1 antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).