

Allgemeine Informationen

Katalog-Nr.:
14818-1-AP

Größe:
150ul , Konzentration: 550 µg/ml von Nanodrop und 267 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG6578

GenBank-Zugangsnummer:
BC052983

GeneID (NCBI):
64780

Vollständiger Name:
microtubule associated monooxygenase, calponin and LIM domain containing 1

Berechnete Masse:
118 kDa

Beobachtete Masse:
120 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:16000

IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB

IHC 1:20-1:200

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus

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: Jurkat-Zellen, HEK-293-Zellen, HeLa-Zellen, humanes Hirngewebe, Mauslungengewebe, T-47D-Zellen

IP: HeLa-Zellen, T-47D-Zellen

IHC: humanes Lungengewebe, humanes Eierstockgewebe, humanes Hautgewebe, humanes Herzgewebe, humanes Hodengewebe, humanes Milzgewebe, humanes Plazenta-Gewebe

IF: HeLa, HeLa-Zellen

Hintergrundinformationen

MICALs (Molecules Interacting with CasL) are atypical multidomain flavoenzymes with diverse cellular functions. There are three known isoforms, MICAL1, MICAL2 and MICAL3, as well as the MICAL-like proteins MICAL-L1 and MICAL-L2. MICAL1 has four conserved domains: an N-terminal flavin adenine dinucleotide (FAD) binding domain, a calponin homology (CH) domain, a Lin11, Isl-1 and Mec-3 (LIM) domain and a C-terminal coiled-coil (CC) domain. MICAL1 is reported to regulate actin stress fibers and be required for normal actin organization. It may also be involved in apoptosis through binding with NDR (nuclear Dbf2-related) kinases. This antibody specially recognizes MICAL1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Sharon C Hook	33087848	Sci Rep	WB
Mst Sharifa Jahan	36451778	IBRO Neurosci Rep	IHC
Ze Zhang	34750518	Oncogene	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**

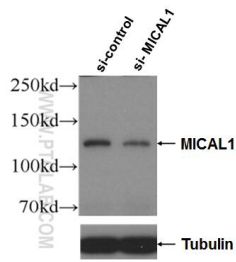
For technical support and original validation data for this product please contact:

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

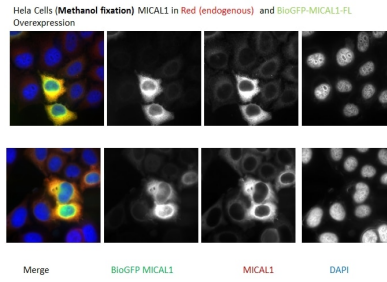
E: proteintech@ptglab.com
W: ptglab.com

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

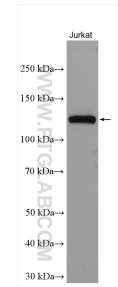
Ausgewählte Validierungsdaten



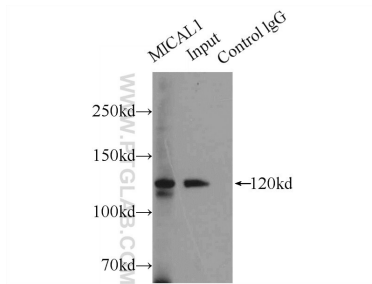
WB result of MICAL1 antibody (14818-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MICAL1 transfected HeLa cells.



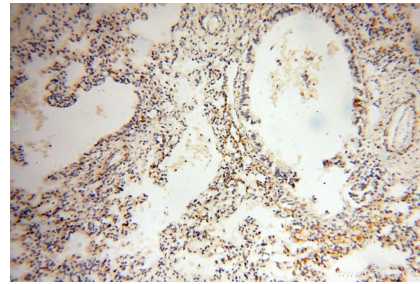
IF result of MICAL1 antibody (14818-1-AP) with HeLa Cells (Methanol fixation) MICAL1 in Red (endogenous) and BioGFP-MICAL1-FL overexpression. Courtesy of Qingyang Liu, Utrecht University.



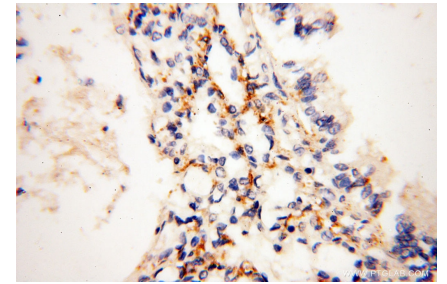
Jurkat cells were subjected to SDS PAGE followed by western blot with 14818-1-AP (MICAL1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



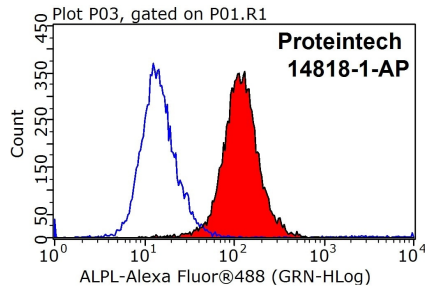
IP Result of anti-MICAL1 (IP:14818-1-AP, 5ug; Detection:14818-1-AP 1:1000) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human lung using 14818-1-AP (MICAL1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung using 14818-1-AP (MICAL1 antibody) at dilution of 1:100 (under 40x lens).



1x10⁶ HeLa cells were stained with 0.2ug MICAL1 antibody (14818-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.