

Nur für Forschungszwecke

MICAL1 Monoklonaler Antikörper

Katalog-Nr.:68297-1-Ig



Allgemeine Informationen

Katalog-Nr.: 68297-1-Ig	GenBank-Zugangsnummer: BC052983	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul , Konzentration: 1000 µg/ml von64780 Nanodrop;	GeneID (NCBI): 64780	CloneNo.: 3F5D4
Wirt: Maus	Vollständiger Name: microtubule associated monooxygenase, calponin and LIM domain containing 1	Empfohlene Verdünnungen: WB 1:5000-1:50000 IF 1:1000-1:4000
Isotyp: IgG1	Berechnete Masse: 118 kDa	
Immunogen Katalognummer: AG6578	Beobachtete Masse: 120 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Positivkontrollen:

WB : A549-Zellen, HEK-293-Zellen, HeLa-Zellen,
HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, MOLT-4-
Zellen, RAW 264.7-Zellen

IF : HeLa-Zellen, A549-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.

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

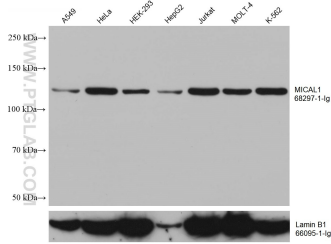
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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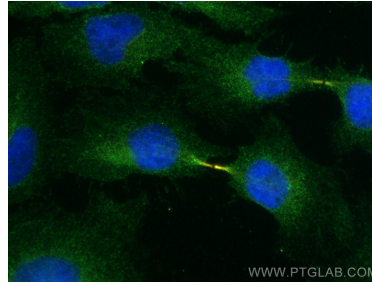
E: proteintech@ptglab.com
W: ptglab.com

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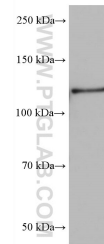
Ausgewählte Validierungsdaten



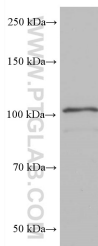
Various lysates were subjected to SDS PAGE followed by western blot with 68297-1-Ig (MICAL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control.



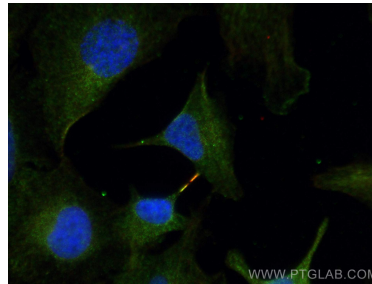
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MICAL1 antibody (68297-1-Ig, Clone: 3F5D4) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), Alpha Tubulin antibody (11224-1-AP, red).



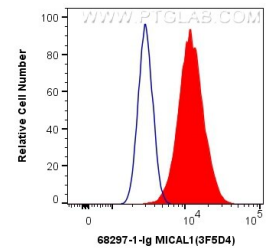
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 68297-1-Ig (MICAL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 68297-1-Ig (MICAL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using MICAL1 antibody (68297-1-Ig, Clone: 3F5D4) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), Alpha Tubulin antibody (11224-1-AP, red).



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g Anti-Human MICAL1 (68297-1-Ig, Clone: 3F5D4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).