

CoraLite[®] Plus 488-conjugated MICAL1 Monoclonal antibody

Catalog Number: **CL488-68297**

Basic Information

Catalog Number:

CL488-68297

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6578

GenBank Accession Number:

BC052983

GeneID (NCBI):

64780

UNIPROT ID:

Q8TDZ2

Full Name:microtubule associated
monooxygenase, calponin and LIM
domain containing 1**Calculated MW:**

118 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

3F5D4

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

Background Information

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 Dbp2-related) kinases. This antibody specially recognizes MICAL1.

Storage

Storage:

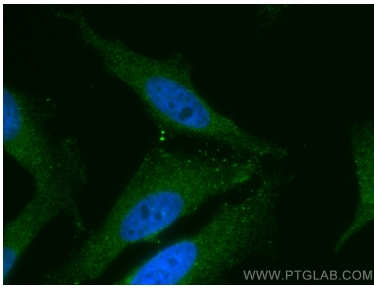
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 MICAL1 antibody (CL488-68297, Clone: 3F5D4) at dilution of 1:200.