

CoraLite® Plus 488-conjugated ATX3,ATXN3 Monoclonal antibody

Catalog Number: **CL488-67057**

Basic Information

Catalog Number:

CL488-67057

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6627

GenBank Accession Number:

BC033711

GeneID (NCBI):

4287

UNIPROT ID:

P54252

Full Name:

ataxin 3

Calculated MW:

370 aa, 43 kDa

Observed MW:

41-45 kDa

Purification Method:

Protein A purification

CloneNo.:

1F7E10

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, pig

Positive Controls:

IF/ICC : A549 cells,

Background Information

ATXN3, which has deubiquitinase activity and act as a component of the ubiquitin proteasome system, plays a role in transcriptional regulation and neuroprotection. ATXN3 interacts with RAD23, HHR23A and HHR23B, involves in the pathology of MJD. ATXN3 is a mixed-linkage, chain-editing enzyme and that the UIM region of ATXN3 regulates its substrate specificity. Contains an N-terminal deubiquitinating domain, called the Josephin domain, followed by 2 ubiquitin-interacting motifs (UIMs) and a polyQ tract near the C terminus. ATXN3 can be phosphorylated in a protein kinase-2-dependent manner, thus the MW would be larger than the predicted one.

Storage

Storage:

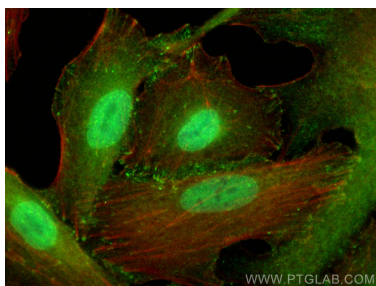
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

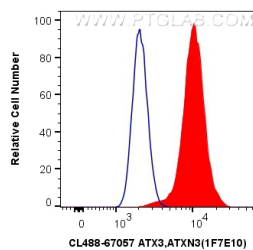
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 ATX3,ATXN3 antibody (CL488-67057, Clone: 1F7E10) at dilution of 1:200, CL594-phalloidin (red).



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ATX3,ATXN3 (CL488-67057, Clone:1F7E10) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).