

For Research Use Only



CoraLite® Plus 488-conjugated AKR7A2 Monoclonal antibody

Catalog Number:CL488-66677

Featured Product

Basic Information

Catalog Number:

CL488-66677

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26105

GenBank Accession Number:

BC007352

GeneID (NCBI):

8574

UNIPROT ID:

O43488

Full Name:

aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)

Calculated MW:

40 kDa

Observed MW:

35-40 kDa

Purification Method:

Protein G purification

CloneNo.:

2E1E8

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF : HepG2 cells,

Background Information

AKR7A2(Aflatoxin B1 aldehyde reductase member 2) is also named as AFAR, AFAR1, AKR7 and belongs to the aldo/keto reductase family. AKR7A2 enzyme is catalytically active toward aldehydes arising from lipid peroxidation, suggesting a potential role against the consequences of oxidative stress, and representing an important detoxication route in mammalian cells(PMID:22001351).

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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

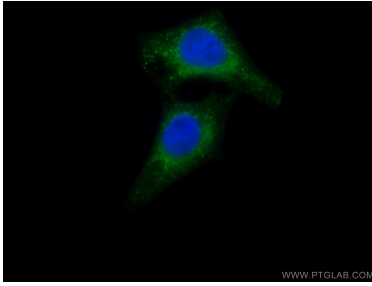
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®@488 AKR7A2 antibody (CL488-66677, Clone: 2E1E8) at dilution of 1:100. DAPI (Blue).