

For Research Use Only

# CoraLite® Plus 488-conjugated AKR7A2 Monoclonal antibody

Catalog Number: CL488-66677

Featured Product



## Basic Information

Catalog Number:

CL488-66677

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

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/ICC 1:300-1:1200

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : 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. 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

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

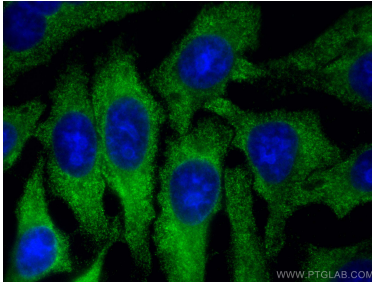
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed HepG2 cells using CoraLite® Plus 488  
AKR7A2 antibody (CL488-66677, Clone: 2E1E8 ) at  
dilution of 1:600.