

CoraLite®594-conjugated D2HGDH Monoclonal antibody

Catalog Number: **CL594-66364**

Basic Information

Catalog Number:

CL594-66364

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5036

GenBank Accession Number:

BC036604

GeneID (NCBI):

728294

UNIPROT ID:

Q8N465

Full Name:

D-2-hydroxyglutarate dehydrogenase

Calculated MW:

521 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Protein G purification

CloneNo.:

1E9B3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:
588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

D2HGDH(D-2-hydroxyglutarate dehydrogenase, mitochondrial) is also named as D2HGD and belongs to the FAD-binding oxidoreductase/transferase type 4 family. It catalyzes the oxidation of D-2-hydroxyglutarate to alpha-ketoglutarate. Defects in D2HGDH are the cause of D-2-hydroxyglutaric aciduria type 1 (D2HGA1).

Storage

Storage:

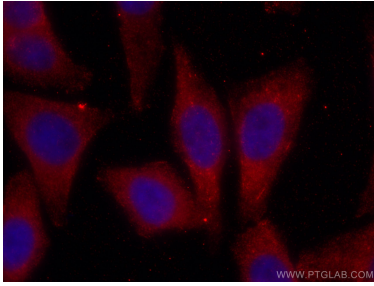
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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 HepG2 cells using Coralite®@594 D2HGDH antibody (CL594-66364, Clone: 1E9B3) at dilution of 1:100. DAPI (blue).