For Research Use Only

CoraLite® Plus 488-conjugated Transketolase Monoclonal antibody

Catalog Number:CL488-66016

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-66016

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG16779

GenBank Accession Number:
BC009970

GeneID (NCBI):
7086

UNIPROT ID:
P29401

Full Name:
transketolase

Calculated MW:
68 kDa

Observed MW:
68 kDa

Purification Method:
Protein A purification

CloneNo.:
3E2F3

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

Transketolase is a key pentose phosphate shunt enzyme that plays an important role in the production of reducing equivalents and pentose sugars. Decreased activity of transketolase has been found in patients with Alzheimer's disease and thiamine deficiency. In addition, as an important biocatalyst in stereo-specific carbon-carbon bond synthesis, transketolase has been widely used in industry to produce aromatic products.

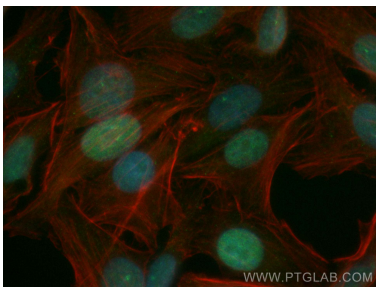
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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® Plus 488 Transketolase antibody (CL488-66016, Clone: 3E2F3) at dilution of 1:600, CL594-phalloidin (red).