

For Research Use Only

CoraLite® Plus 488-conjugated TBX4/5 Recombinant monoclonal antibody

Catalog Number: CL488-84997-4



Basic Information

Catalog Number:

CL488-84997-4

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3845

GenBank Accession Number:

BC027942

GeneID (NCBI):

6910

UNIPROT ID:

Q99593

Full Name:

T-box 5

Calculated MW:

518 aa, 57 kDa

Purification Method:

Protein A purification

CloneNo.:

242565F1

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

T-box genes encode a family of transcription factors that have been identified in all metazoans and which play diverse roles during embryonic development. TBX5, a member of T-box family, has an essential role in the initiation of limb outgrowth and heart development. Genetic variation near TBX5 that associates with PR and/or QRS interval variation, which suggests that TBX5 plays a role in CCS function in the general population. Because 77 % amino acid sequence of TBX5 is identical to TBX4, this antibody recognizes both TBX4 and TBX5.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

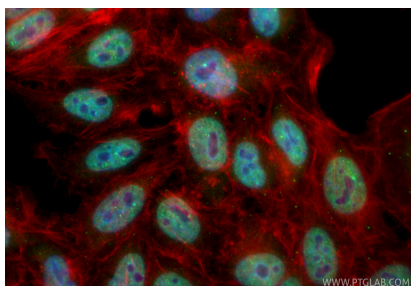
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 TBX4/5 antibody (CL488-84997-4, Clone: 242565F1) at dilution of 1:200, CL594-Phalloidin (red).