For Research Use Only

CoraLite® Plus 488-conjugated MGEA5 Recombinant monoclonal antibody

Catalog Number:CL488-84722-4

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-84722-4

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6405

GenBank Accession Number:
BC039583

GeneID (NCBI):
10724

UNIPROT ID:
O60502

Full Name:
meningioma expressed antigen 5 (hyaluronidase)

Calculated MW:
103 kDa

Observed MW:
130-140 kDa

Purification Method:
Protein A purification

CloneNo.:
242263A6

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

Human meningioma-expressed antigen 5 (MGEA5) has two putative domains including protein O-GlcNAcase domain and histone acetyltransferase domain, therefore it is often called bifunctional protein NCOAT. Three isoforms of MEGE5 are produced by alternative splicing. MGEA5 was found to be regulated to reduce the state of glycosylation of transcitpional activators while increasing the acetylation of histones to allow for the concerted activation of eukaryotic gene transcription, for instance, acetylation of Lys8 of histone H4 and Lys 14 of histone H3 are resulted from acetyltransferase activity. In addition, single nucleotide polymorphism in MGE5A is associated with type 2 diabetes in Mexican Americans. Two bands at 130kDa and 75 kDa could be detected using the present rabbit polyclonal antibody 14711-1-AP, which is consistent with results in a related reference (PubMed:11341771).

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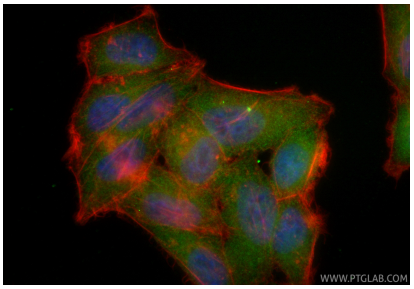
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 MGEA5 antibody (CL488-84722-4, Clone: 242263A6) at dilution of 1:200, CL594-Phalloidin (red).