

CoraLite® Plus 488-conjugated MGEA5 Recombinant monoclonal antibody

Catalog Number: CL488-84722-4

Basic Information

Catalog Number:	CL488-84722-4	GenBank Accession Number:	Purification Method:
Source:	Rabbit	GenID (NCBI):	Protein A purification
Isotype:	IgG	UNIPROT ID:	CloneNo.:
Immunogen Catalog Number:	AG6405	Full Name:	242263A6
		meningioma expressed antigen 5 (hyaluronidase)	Recommended Dilutions:
			IF/ICC: 1:50-1:500
		Calculated MW:	Excitation/Emission maxima wavelengths:
		103 kDa	493 nm / 522 nm
		Observed MW:	
		130-140 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HepG2 cells,

Species Specificity:
human

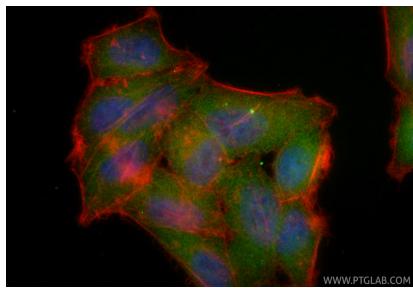
Background Information

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 MGEA5 are produced by alternative splicing. MGEA5 was found to be regulated to reduce the state of glycosylation of transcriptional 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 MGEA5 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

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).