

For Research Use Only

CoraLite® Plus 488-conjugated FUCA1 Monoclonal antibody



Catalog Number:CL488-67251

Basic Information

Catalog Number: CL488-67251	GenBank Accession Number: BC017338	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2517	CloneNo.: 1G5C5
Source: Mouse	UNIPROT ID: P04066	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: fucosidase, alpha-L- 1, tissue	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG9638	Calculated MW: 461 aa, 53 kDa	
	Observed MW: 50-56 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF : human liver cancer tissue,
Species Specificity: Human, Mouse	

Background Information

FUCA1(α-L-Fucosidase) is a lysosomal glycosidase which is ubiquitous in eukaryotic cells. This enzyme is usually found as a soluble component of the lysosome and functions as an acid hydrolase in the degradation of numerous and diverse fucoglycoconjugates. The mammalian α-L-fucosidases are relatively large, multisubunit glycoproteins which exist in multiple molecular isoforms. This enzyme may have a role in sperm-egg interactions in the reproductive tract of the female rat. There is a precursor 54 kDa form of rat sperm fucosidase which is processed to a mature 52 kDa form of the enzyme (PMID:8836125). This protein from rat epididymis is a tetramer of 210-220 kDa, made up by two pairs of subunits of 47 and 60 kDa, and the one from human seminal plasma exists in different oligomeric forms, that is, as a dimer, as a tetramer, and as a hexamer made up of a single subunit of 56-57 kDa (PMID:16736526).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
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:

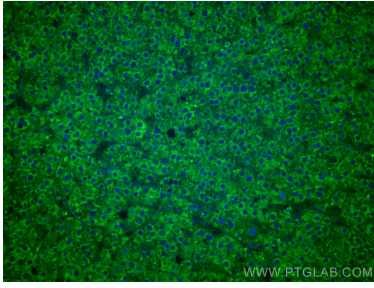
T: 4006900926

E: Proteintech-CN@ptglab.com

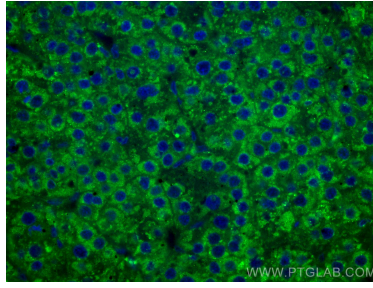
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite® Plus 488 FUCA1 antibody (CL488-67251, Clone: 1G5C5) at dilution of 1:200. DAPI (blue).



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