

FUCA1 Polyclonal antibody

Catalog Number: 16420-1-AP

6 Publications

Basic Information

Catalog Number: 16420-1-AP	GenBank Accession Number: BC017338	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2517	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: fucosidase, alpha-L- 1, tissue	
Isotype: IgG	Calculated MW: 461 aa, 53 kDa	
Immunogen Catalog Number: AG9612	Observed MW: 50-56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : mouse liver tissue, COLO 320 cells
Species Specificity: human, mouse, rat	IHC : human testis tissue, human liver cancer tissue
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Giancarlo Vecchio	28404918	Oncotarget	WB, IHC
Serena Bonin	29632639	Oncotarget	WB, IHC
Shoko Ishida	30729618	Pathol Int	IHC

Storage

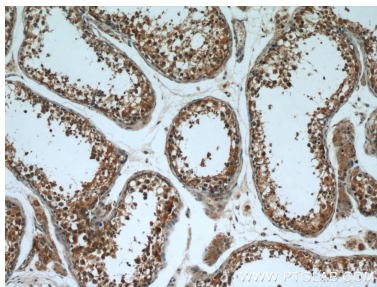
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

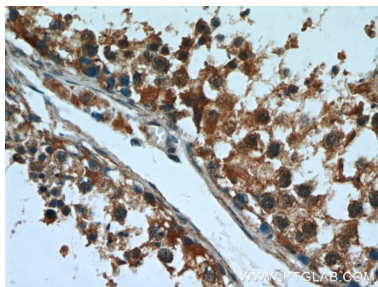
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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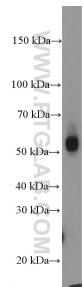
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis using 16420-1-AP (FUCA1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 16420-1-AP (FUCA1 antibody) at dilution of 1:50 (under 40x lens).



mouse liver tissue were subjected to SDS PAGE followed by western blot with 16420-1-AP (FUCA1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.