

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: 350 µg/ml	GeneID (NCBI): 2517	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P04066	
Isotype: IgG	Full Name: fucosidase, alpha-L- 1, tissue	
Immunogen Catalog Number: AG9612	Calculated MW: 461 aa, 53 kDa	
	Observed MW: 50-56 kDa	

Applications

Tested Applications:
IHC, WB, ELISA**Cited Applications:**
IHC, WB**Species Specificity:**
human, mouse, rat**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

Positive Controls:

WB : mouse liver tissue, COLO 320 cells

IHC : human testis tissue, human liver cancer tissue

Background Information

FUCA1(a-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 a-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

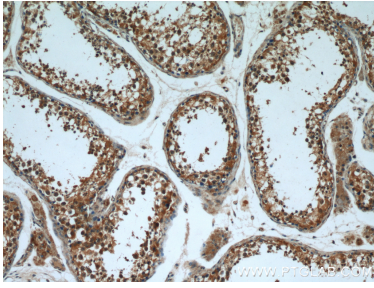
For technical support and original validation data for this product please contact:

T: 4006900926

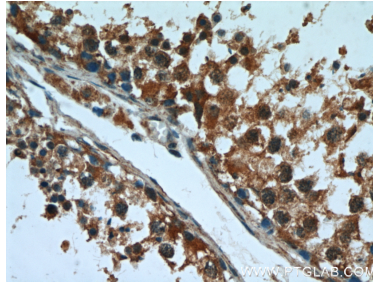
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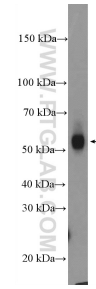
Selected Validation Data



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.