

FUCA2 Polyclonal antibody

Catalog Number: 30080-1-AP

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
30080-1-AP	BC003060	Antigen affinity purification
Size:	GeneID (NCBI):	Recommended Dilutions:
400 µg/ml	2519	WB 1:1000-1:4000
Source:	UNIPROT ID:	IHC 1:50-1:500
Rabbit	Q9BTY2	IF/ICC 1:200-1:800
Isotype:	Full Name:	
IgG	fucosidase, alpha-L- 2, plasma	
Immunogen Catalog Number:	Calculated MW:	
AG32467	54 kDa	
	Observed MW:	
	54-60 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IF/ICC, IHC, ELISA	WB : SGC-7901 cells,
Species Specificity:	IHC : human stomach cancer tissue,
Human	IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

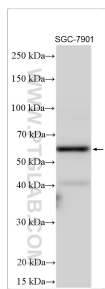
Background Information

Alpha-L-fucosidase 2 (FUCA2) is a gene that codes for a secreted non-lysosomal enzyme and belongs to the glycosyl hydrolase 29 (GH29) family. The enzyme is responsible for the removal of the alpha-1,6-fucose linked to N-acetylglucosamine residue of glycoproteins. Serum FUCA2 is a potential biomarker used for early detection of esophageal squamous cell carcinoma (ESCC) and hepatocellular carcinoma (HCC). FUCA2 has 2 isoforms with the molecular mass of 20 and 54 kDa (PMID: 34935631). Sometimes higher molecular weight around 60 kDa can also be observed, which may be a modified variant of FUCA2.

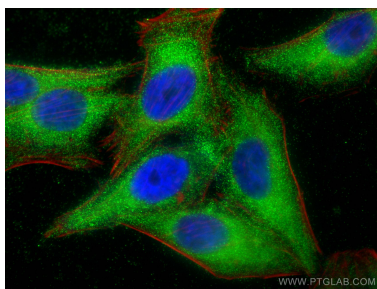
Storage

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

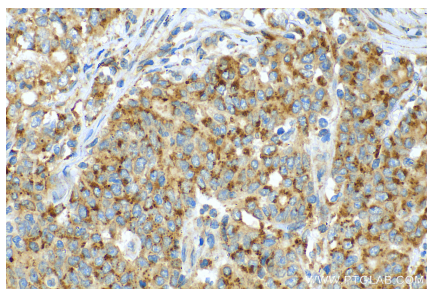
Selected Validation Data



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 30080-1-AP (FUCA2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FUCA2 antibody (30080-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30080-1-AP (FUCA2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).