

FUCA2 Polyclonal antibody

Catalog Number: 30080-1-AP

Basic Information

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

Applications

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

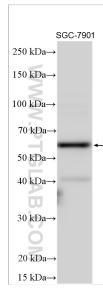
Background Information

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.

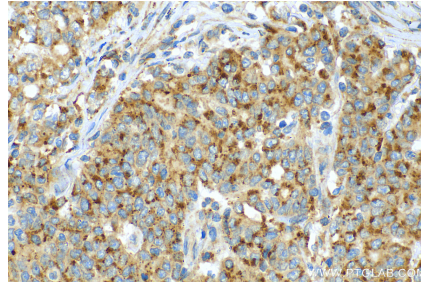
Storage

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.



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).