Product Name: **Fucokinase Rabbit Polyclonal Antibody**
Catalog #: **APRab11181**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Mouse,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	110kDa

Antigen Information

Gene Name	FUK
Alternative Names	FUK; L-fucose kinase; Fucokinase
Gene ID	197258.0
SwissProt ID	Q8N0W3
Immunogen	The antiserum was produced against synthesized peptide derived from human FUK. AA range:11-60

Background

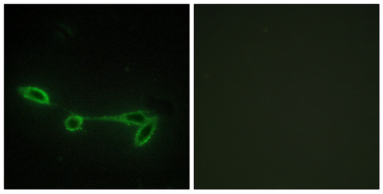
fucokinase(FUK) Homo sapiens The protein encoded by this gene belongs to the GHMP (galacto-, homoserine, mevalonate

and phosphomevalonate) kinase family and catalyzes the phosphorylation of L-fucose to form beta-L-fucose 1-phosphate. This enzyme catalyzes the first step in the utilization of free L-fucose in glycoprotein and glycolipid synthesis. L-fucose may be important in mediating a number of cell-cell interactions such as blood group antigen recognition, inflammation, and metastatis. While several transcript variants may exist for this gene, the full-length nature of only one has been described to date. [provided by RefSeq, Jul 2008],catalytic activity:ATP + L-fucose = ADP + beta-L-fucose 1-phosphate.,function:Takes part in the salvage pathway for reutilization of fucose from the degradation of oligosaccharides.,similarity:Belongs to the GHMP kinase family.,

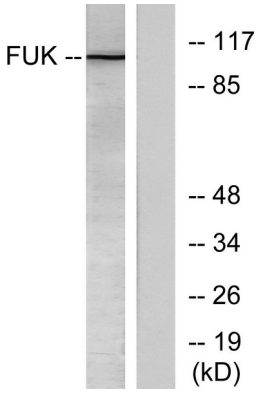
Research Area

Fructose and mannose metabolism;Amino sugar and nucleotide sugar metabolism;

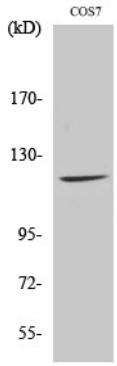
Image Data



Immunofluorescence analysis of NIH/3T3 cells, using FUK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, treated with insulin 0.01U/ml 45 ', using FUK Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Fucokinase Polyclonal Antibody