

FUK Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1557a**Specification****FUK Antibody - Product Information**

Application	E, WB, FC
Primary Accession	Q8N0W3
Reactivity	Human, Mouse, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	117kDa KDa

Description

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 metastasis. While several transcript variants may exist for this gene, the full-length nature of only one has been described to date. (provided by RefSeq)

Immunogen

Purified recombinant fragment of human FUK expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

FUK Antibody - Additional Information

Gene ID 197258

Other Names

L-fucose kinase, Fucokinase, 2.7.1.52, FUK

Dilution

E~~1/10000

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FUK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FUK Antibody - Protein Information

Name FCSK ([HGNC:29500](#))

Function

Takes part in the salvage pathway for reutilization of fucose from the degradation of oligosaccharides.

Tissue Location

Expressed in fibroblasts.

FUK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

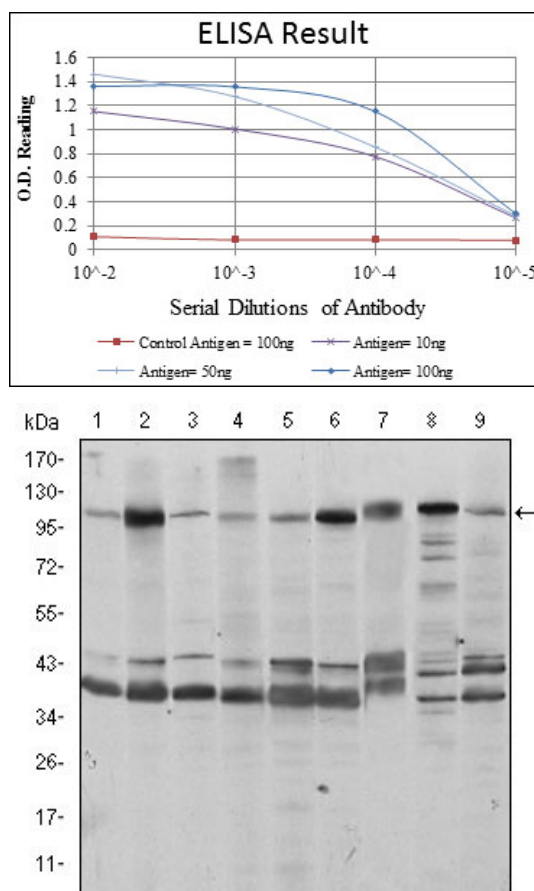


Figure 1: Western blot analysis using FUK mouse mAb against Hela (1), HepG2 (2), Jurkat (3), A431 (4), HEK293 (5), MCF-7 (6), PC-12 (7), Cos7 (8), and NIH/3T3 (9) cell lysate.

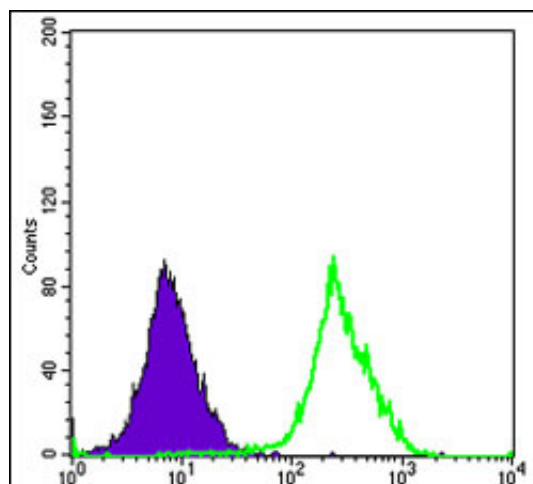


Figure 4: Flow cytometric analysis of Hela cells using FUK mouse mAb (green) and negative control (purple).

FUK Antibody - References

1. J Hum Ergol (Tokyo). 2009 Dec;38(2):81-8.
2. Ophthalmologica. 2009;223(4):233-8.