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FUK Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1557a

Product Information

Application	WB, FC, E
Primary Accession	Q8N0W3
Reactivity	Human, Mouse, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Clone Names	6E2
Isotype	IgG1
Calculated MW	117623
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 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)
Immunogen	Purified recombinant fragment of human FUK expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	197258
Other Names	L-fucose kinase, Fucokinase, 2.7.1.52, FUK
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
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.

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.

References

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

Images

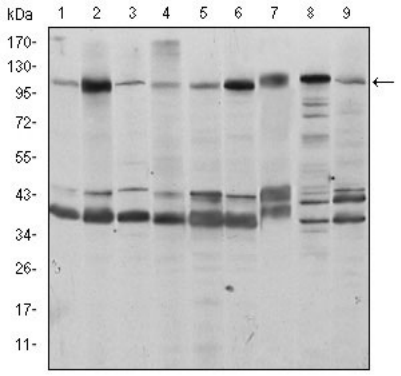


Figure 1: Western blot analysis using FUK mouse mAb against Hela (1), HepG2 (2), Jurkat (3), A431 (4), HEK293 (5), MCF-7 (6), PC-12 (7), Cos7 (8), and NIH/3T3 (9) cell lysate.

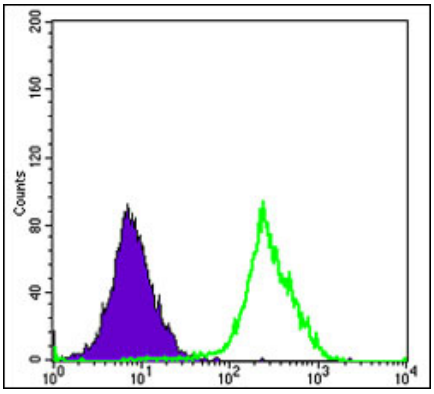


Figure 4: Flow cytometric analysis of Hela cells using FUK mouse mAb (green) and negative control (purple).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.