



Fucokinase Monoclonal Antibody

Catalog No	BYab-14147
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;FCM;ELISA
Gene Name	FUK
Protein Name	L-fucose kinase
Immunogen	Purified recombinant fragment of human Fucokinase expressed in E. Coli.
Specificity	Fucokinase Monoclonal Antibody detects endogenous levels of Fucokinase protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FUK; L-fucose kinase; Fucokinase
Observed Band	
Cell Pathway	cytoplasm,cytosol,
Tissue Specificity	Expressed in fibroblasts.
Function	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.,
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 metastasis. While several transcript variants may exist for this gene, the full-length nature of only one has been described to date. [provided by

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RefSeq, Jul 2008],

**matters needing
attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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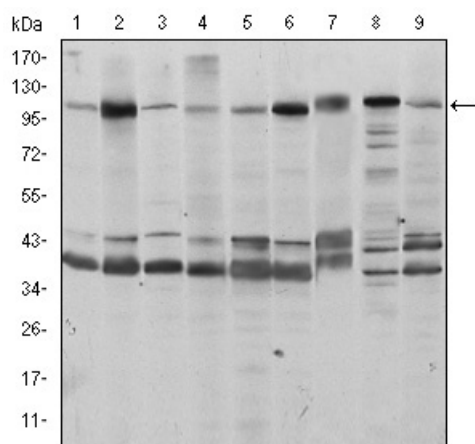
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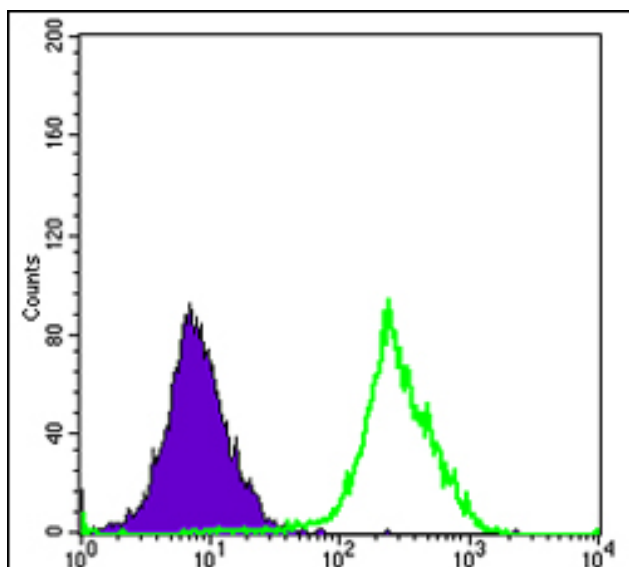
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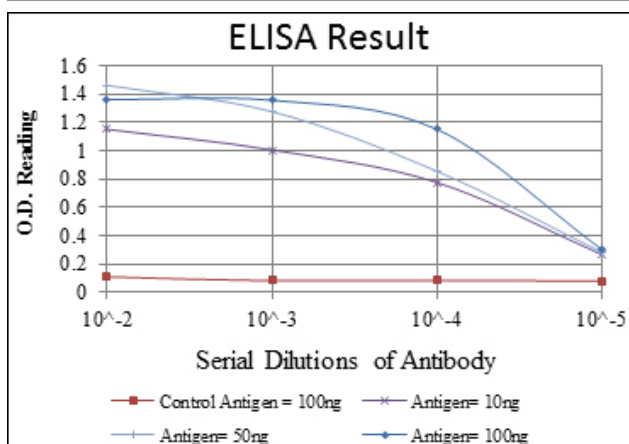
Products Images



Western Blot analysis using Fucokinase Monoclonal Antibody 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.



Flow cytometric analysis of Hela cells using Fucokinase Monoclonal Antibody (green) and negative control (purple).



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