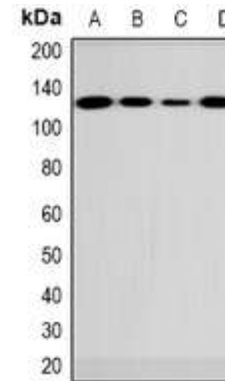


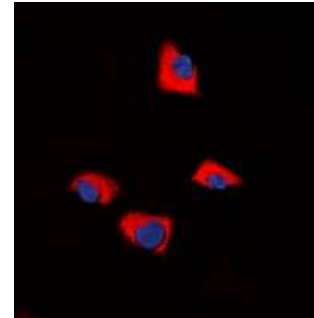
## Anti-FUK Antibody

<b>CATALOG NO:</b>	A1233-100
<b>ALTERNATIVE NAMES:</b>	L-fucose kinase; Fucokinase
<b>AMOUNT:</b>	100 µl
<b>IMMUNOGEN:</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FUK
<b>HOST/ISOTYPE:</b>	Rabbit IgG
<b>CLONALITY:</b>	Polyclonal
<b>SPECIFICITY:</b>	Recognizes endogenous levels of FUK protein
<b>SPECIES REACTIVITY:</b>	Human, Mouse and Rat
<b>PURIFICATION:</b>	The antibody was purified by affinity chromatography
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
<b>STORAGE CONDITIONS:</b>	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>DESCRIPTION:</b>	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.
<b>APPLICATION:</b>	WB; 1:500 – 1:2000; IF/IC; 1:50 – 1:100

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of FUK expression in 786-O (A); rat brain (B); mouse brain (C); COS7 (D) whole cell lysates



Immunofluorescent analysis of FUK staining in NIH3T3 cells

### RELATED PRODUCTS:

- AMPK $\alpha$  Antibody (Cat. No. 3113-100)
- AMPK $\alpha$ 2 Antibody (Cat. No. 3117-100)
- AMPK $\alpha$ 1 Antibody (Cat. No. 3951-100)
- Raf1 Antibody (Cat. No. 3116-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**