

## FUK polyclonal antibody

Catalog: BS61575

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Blood group antigen recognition, metastasis and inflammation utilize fucose, a sugar found in glycoproteins and glycolipids. Fucokinase, also designated L-fucose kinase or FUK, is a 1,084 amino acid enzyme that plays a role in the salvage pathway of fucose reutilization. A member of the GHMP kinase family, Fucokinase exists as two alternative splice variants and catalyzes L-fucose phosphorylation to form beta-L-fucose 1-phosphate. The gene encoding Fucokinase maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 117 kDa

### Swiss-Prot:

Q8N0W3

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

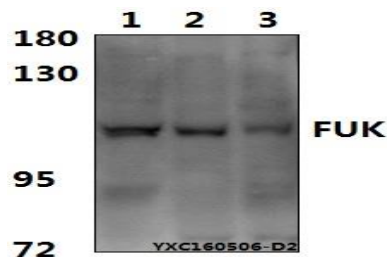
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

FUK polyclonal antibody detects endogenous levels of FUK protein.

### DATA:



Western blot (WB) analysis of FUK polyclonal antibody at 1:500 dilution

Lane1:786-O whole cell lysate(60µg)

Lane2:The Brain tissue lysate of Rat (50µg)

Lane3:The Brain tissue lysate of Mouse(40µg)

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151