

# PFKFB2 Rabbit Polyclonal Antibody

Catalog No: #55594

Package Size: #55594-1 50ul #55594-2 100ul

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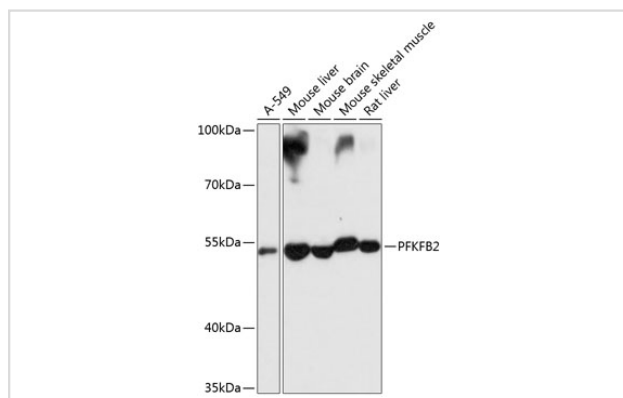
## Description

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Product Name          | PFKFB2 Rabbit Polyclonal Antibody                         |
| Host Species          | Rabbit                                                    |
| Clonality             | Polyclonal                                                |
| Isotype               | IgG                                                       |
| Purification          | Affinity purification                                     |
| Applications          | WB,IF                                                     |
| Species Reactivity    | Human,Mouse,Rat                                           |
| Immunogen Description | Recombinant fusion protein of human PFKFB2 (NP_006203.2). |
| Conjugates            | Unconjugated                                              |
| Other Names           | PFKFB2;PFK-2/FBPase-2                                     |
| Accession No.         | Swiss Prot:O60825GeneID:5208                              |
| Calculated MW         | 54kDa/58kDa                                               |
| SDS-PAGE MW           | 54kDa                                                     |
| Formulation           | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.               |

## Application Details

WB 1:500 - 1:2000 IF 1:50 - 1:200

## Images



Western blot analysis of extracts of various cell lines, using PFKFB2 at 1:1000 dilution.

## Background

The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This

enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.