# Data Sheet (Cat.No.TMAB-11134)

## Anti-Phospho-PFKM/PFK1 (Ser775) Polyclonal Antibody

### Product Details

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| Ig Type: | IgG |
| Reactivity: | Human,Rat (predicted:Mouse,Pig,Cow,Horse,Sheep) |
| Molecular Weight: | Theoretical: 86 kDa. Actual: 77 kDa. |
| Purification: | Protein A purified |

### Applications

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| Verified Activity: | 1. Tissue/cell: Rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37℃ for 20 min;<br>Incubation: Anti-phospho-PFKL (Ser775) Polyclonal Antibody, Unconjugated 1: 200, overnight at 4℃, followed by conjugation to the secondary antibody and DAB staining<br>2. Sample:<br>Lane 1: Human A431 cell lysates<br>Lane 2: Human HeLa cell lysates<br>Lane 3: Human Raji cell lysates<br>Lane 4: Human SH-SY5Y cell lysates<br>Lane 5: Human LOVO cell lysates<br>Lane 6: Human MCF-7 cell lysates<br>Primary: Anti-phospho-PFKM/PFK1 (Ser775) (TMAB-11134) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 86 kDa<br>Observed band size: 77 kDa |
| Application: | WB,IHC-P,IHC-Fr,IF |
| Recommended | WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500 |

### Properties

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| Stability & Storage: | Store at 2℃-8℃ for 1 month. Store at -20℃ or -80℃ for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

### Antigen Details

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| Immunogen: | KLH conjugated Synthesised phosphopeptide: human PFKM around the phosphorylation site of Ser775 |
| Antigen Species: | Human |
| Gene ID: | 5213 |
| Uniprot ID: | P08237 |

### Research Background

Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. These isozymes function as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-

phosphate to fructose-1,6-bisphosphate. Tetramer composition varies depending on tissue type. This gene encodes the muscle-type isozyme. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease. Alternatively spliced transcript variants have been described.[provided by RefSeq, Nov



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