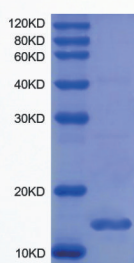


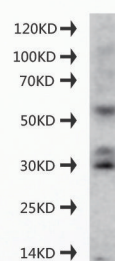
2018 NEW PRODUCTS

ELISA Kit for Human PFKFB4, 6PF-2-K/Fru-2,6-P2ase 4 Cat.E10217h

PFKFB4, also known as 6-phosphofructo-2-kinase/fructose-2, 6-biphosphatase 4, is an activator of a key regulatory enzyme of glycolysis and phosphofructokinase. It regulates the steady-state concentration of fructose-2, 6-bisphosphate. PFKFB4 is highly expressed in brain, heart, liver, muscle, placenta, adipose tissue, ovary, fallopian tubes, and testis. The Warburg pathway enzyme PFKFB4 acts as a molecular fulcrum that couples sugar metabolism to transcriptional activation by stimulating SRC-3 to promote aggressive metastatic tumours^[1].

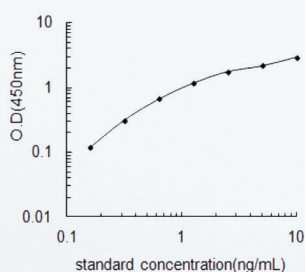


12% SDS-PAGE Analysis



Mouse brain tissue lysate was subjected to SDS-PAGE followed by Western Blot with PFKFB4 antibody at dilution of 1:300 (Observed molecular weight is about 55kDa)

Western blot



ng / mL	Mean O.D
10	3.003
5.0	2.193
2.5	1.789
1.25	1.189
0.625	0.672
0.312	0.317
0.156	0.119
0	0

Detection Range: 0.156-10 ng/mL

Sensitivity: less than 0.039 ng/mL

Performance Characteristics: Intra-Assay CV: ≤5.5%

Inter-Assay CV: ≤7.4%

Spike Average Recovery: 92%

Reference

[1] Subhamoy D, Kimal R, Bokai Zhu, et al. Metabolic enzyme PFKFB4 activates transcriptional coactivator SRC-3 to drive breast cancer [J]. Nature, 2018, 556: 249-254 .