



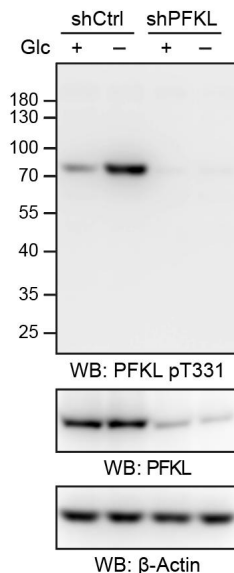
## PFKL (Phospho-Thr331 ) Antibody

#58043

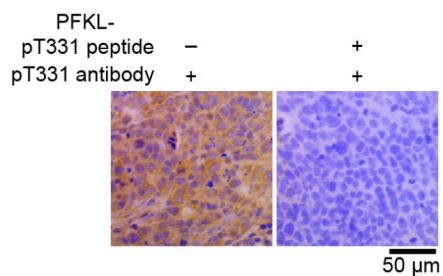
**Number:** 58043**Amount:** 100µg/100µl**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** synthetic phosphopeptide corresponding to residues surrounding Thr331 of human PFKL**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.**Specificity/Sensitivity:** PFKL (Phospho-Thr331 )antibody detects endogenous levels of PFKL only when phosphorylated at threonine331 .**Reactivity:** Human**Applications:**

Predicted MW: 80KD

WB :1:500~1:1000 IHC:1:50-200



Huh7 cells stably expressing PFKL shRNA or a control shRNA were treated with or without glucose deprivation for 40 min. Immunoblotting analyses were performed with the indicated antibodies.(1)



IHC analyses of human HCC samples were performed with PFKL pT331 antibody in the presence or absence of a blocking peptide for PFKL pT331.(1)

**Reference:**

[1]YingMeng,DongGuo,LimingLin,HongZhao,WeitingXu,ShudiLuo,XiaomingJiang,ShanLi,Xu xiaoHe,RongxuanZhu,RongkaiShi,LiweiXiao,QingangWu,HaiyanHe,JingjingTao,HongfeiJiang,ZhengWang,PengboYao,DaqianXu&ZhimiLu.Glycolytic enzyme PFKL governs lipolysis by promoting lipid droplet-mitochondria tethering to enhance  $\beta$ -oxidation and tumor cell proliferation.Nature metabolism.<https://doi.org/10.1038/s42255-024-01047-2>.

PMID:38773347