

## PFKFB2 (phospho-S483) polyclonal antibody

Catalog: BS4859

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

PFK-1 undergoes activation in the presence of elevated AMP. The most potent activator is fructose-2,6-bisphosphate, which is produced by PFK-2 from the same substrate, fructose 6-phosphate. PFK-2 is bi-functional and a key regulator for PFK-1. PFK-2 catalyzes the synthesis of fructose-2,6-bisphosphate, and contains fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. PFK-2 is dimeric and isoenzymes include PFK-2 liver (PFKFB1, PFRX), PFK-2 cardiac (PFKFB2), PFK-2 placental (PFKFB3, inducible PFK-2) and PFK-2 testis (PFKFB4).

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 58 kDa

### Swiss-Prot:

O60825

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

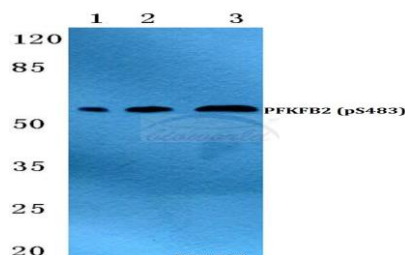
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-PFKFB2 (S483) polyclonal antibody detects endogenous levels of PFKFB2 protein only when phosphory-

lated at Ser483.

### DATA:

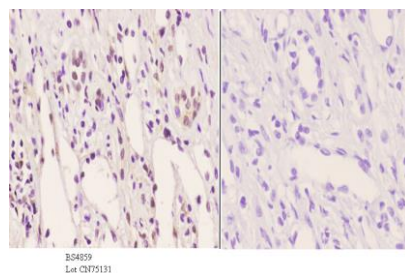


Western blot (WB) analysis of p-PFKFB2 (S483) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with H2O2(100µM,30mins)

Lane2:sp2/0 cell lysate treated with H2O2(100µM,30mins)

Lane3:H9C2 cell lysate treated with H2O2(100µM,30mins)



Immunohistochemistry (IHC) analyzes of p-PFKFB2 (S483) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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

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