

PRX III (K93) polyclonal antibody

Catalog: BS3468

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The peroxiredoxin (PRX) family comprises six antioxidant proteins, PRX I, II, III, IV, V and VI, which protect cells from reactive oxygen species (ROS) by preventing the metal-catalyzed oxidation of enzymes. The PRX proteins primarily utilize thioredoxin as the electron donor for antioxidation, although they are fairly promiscuous with regard to the hydroperoxide substrate. In addition to protection from ROS, peroxiredoxins are also involved in cell proliferation, differentiation and gene expression. PRX I, II, IV and VI show diffuse cytoplasmic localization, while PRX III and V exhibit distinct mitochondrial localization.

Product:

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

Molecular Weight:

~ 25, 27 kDa

Swiss-Prot:

P30048

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:

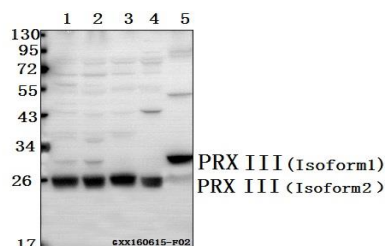
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

PRX III (K93) polyclonal antibody detects endogenous

levels of PRX III protein.

DATA:



Western blot (WB) analysis of PRX III (K93) polyclonal antibody at 1:500 dilution

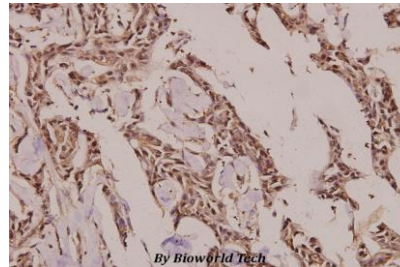
Lane1:786-O whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:H9C2 whole cell lysate(40ug)

Lane5:The Heart tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of PRX III (K93) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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