

Cytochrome c polyclonal antibody

Catalog: BS5679

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytochrome c is a well characterized mobile electron transport protein that is essential to energy conversion in all aerobic organisms. In mammalian cells, this highly conserved protein is normally localized to the mitochondrial intermembrane space. More recent studies have identified cytosolic cytochrome c as a factor necessary for activation of apoptosis. During apoptosis, cytochrome c is translocated from the mitochondrial membrane to the cytosol, where it is required for activation of caspase-3 (CPP32). Overexpression of Bcl-2 has been shown to prevent the translocation of cytochrome c, thereby blocking the apoptotic process. Overexpression of Bax has been shown to induce the release of cytochrome c and to induce cell death. The release of cytochrome c from the mitochondria is thought to trigger an apoptotic cascade, whereby Apaf-1 binds to Apaf-3 (caspase-9) in a cytochrome c-dependent manner, leading to caspase-9 cleavage of caspase-3.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 14 kDa

Swiss-Prot:

P99999

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

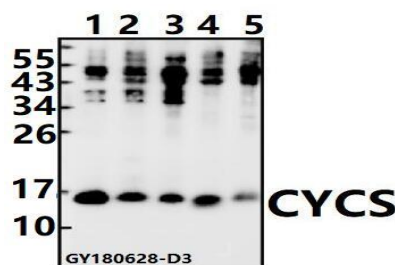
Storage&Stability:

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

Specificity:

CYCS pAb detects endogenous levels of CYCS protein.

DATA:



Western blot (WB) analysis of CYCS pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:PC3 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:The Embryo tissue lysate of Mouse(40ug)

Lane5:The Testis tissue lysate of Rat(40ug)

Note:

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

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