

Thioredoxin polyclonal antibody

Catalog: BS91343

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Thioredoxin (Trx) is a redox protein that is found in several species, such as bacteria, plants and mammals, and contains a conserved active site, consisting of Trp-Cys-Gly-Pro-Cys. Trx has several biological functions. It acts as a hydrogen donor for ribonucleotide reductase, which is critical for DNA synthesis, and modulates the DNA-binding activity of several transcription factors, including NFkB, AP-1, p53, TFIIC and glucocorticoid receptor. Trx also stimulates cell growth, is an inhibitor of apoptosis and plays a role in the protection against oxidative stress. Drugs that inhibit Trx have anti-tumor activity, suggesting that Trx is involved in a variety of human diseases, including cancer. TrxR is a ubiquitously expressed flavoprotein that catalyzes the NADPH-dependent reduction of Trx as well as several other oxidized cellular components.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

12 kDa

Swiss-Prot:

P10599(Human) P10639(Mouse) P11232(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:5,000

FC:1:50-1:100

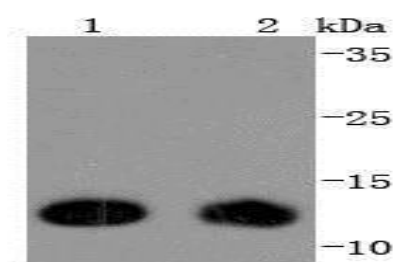
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

Thioredoxin polyclonal antibody detects endogenous levels of Thioredoxin protein.

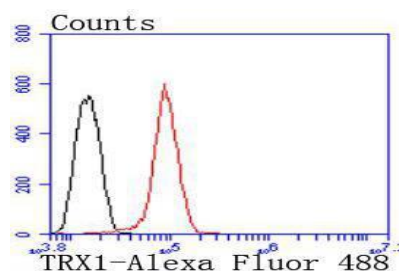
DATA:



Western blot analysis of TRX1 on different lysates using anti-TRX1 antibody at 1/1,000 dilution. Positive control:

Lane 1: Hela

Lane 2: 293T



Flow cytometric analysis of Hela cells with TRX1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Note:

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

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