

TXNRD1 polyclonal antibody

Catalog: BS91390

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 reductases (TrxR1 and TrxR2) are ubiquitous Ly noble flavoproteins that catalyze the NADPH-dependent reduction of Trx as well as several other oxidized cellular components. Mammalian Trx reductases are a part of a selenium-containing pyridine nucleotide-disulphide oxidoreductase family, which has a conserved catalytic site of Cys-Val- Asn-Val-Gly-Cys. TrxR1 and TrxR2 are also involved in the prevention of oxidative stress. Inhibition of TrxR activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases.

Product:

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

Molecular Weight:

55 kDa

Swiss-Prot:

Q16881(Human) Q9JMH6(Mouse) O89049(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

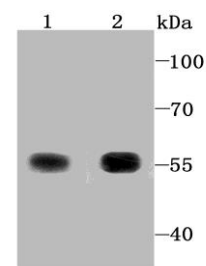
Storage&Stability:

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

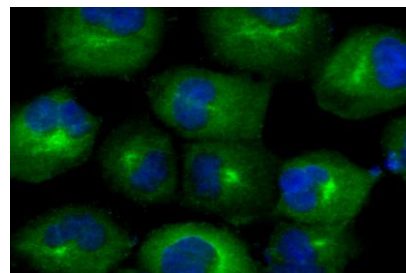
Specificity:

TXNRD1 polyclonal antibody detects endogenous levels of TXNRD1 protein.

DATA:



Western blot analysis of TXNRD1 on HeLa (1) and human liver tissue lysate (2) using anti-TXNRD1 antibody at 1/1,000 dilution.



ICC staining TXNRD1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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