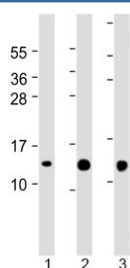


Thioredoxin Antibody / TRX / TXN [clone 1850CT339.14.1] (F54201)

Catalog No.	Formulation	Size
F54201-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54201-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	IgG1, kappa
Clone Name	1850CT339.14.1
Purity	Protein G purified
UniProt	P10599
Applications	Western Blot : 1:1000-1:2000
Limitations	This Thioredoxin antibody is available for research use only.



Western blot testing of human 1) SH-SY5Y, 2) A431 and 3) HeLa cell lysate with Thioredoxin antibody at 1:2000. Predicted molecular weight ~12 kDa.

Description

Thioredoxin / TRX / TXN participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. Induces the FOS/JUN AP-1 DNA-binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Thioredoxin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human Thioredoxin protein was used as the immunogen for the Thioredoxin antibody.

Storage

Aliquot the Thioredoxin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.