

Anti-TXN Antibody (6D80)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Rat
Conjugation:	Unconjugated
Clone:	6D80
Purification:	Affinity-chromatography

Applications

	Western Blot
	-Positive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, Rat brain tissue
Verified Activity:	-All lanes: TXN antibody at 1:2000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 10, 12 kDa -Observed band size: 12 kDa
Application:	ELISA,WB
Recommended	WB:1:500-1:5000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human TRX1
Antigen Species:	Human
Gene ID:	7295
Uniprot ID:	P10599
Synonyms:	TRX;SASP;ATL-Derived Factor;TRDX;Surface-Associated Sulphydryl Protein;TRX1;TXN;ADF; Thioredoxin
Biology Area:	Metabolism, Signal transduction

Research Background

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. ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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