

Anti-TauD Antibody

CATALOG NO.: A1804-30T 30 µg (Trial size)
A1804-100 100 µg

BACKGROUND DESCRIPTION: Taurine dioxygenase (TauD) is a Fe(II) and α -ketoglutaric acid-dependent dioxygenase, which enables *E.coli* to use taurine as a sulfur source. The oligomeric state of the enzyme from *E.coli* is reported both as a dimer and tetramer. It contains a 2-His, 1- carboxylate facial triad, which is present in most members of the family of Fe(II) α -KG-dependent enzymes. TauD catalyzes the conversion of the amino acid taurine (2-aminoethane-1-sulfonic acid) to sulfite and aminoacetaldehyde.

ALTERNATE NAMES: Taurine Dioxygenase, 2-aminoethanesulfonate dioxygenase, Sulfate starvation-induced protein

ANTIBODY TYPE: Polyclonal

CONCENTRATION: 0.5 mg/ml

HOST/ISOTYPE: Rabbit / IgG.

IMMUNOGEN: Recombinant *E. coli*, Taurine Dioxygenase (TauD) (Cat# P1071).

INTERNAL I.D. : Q82

PURIFICATION: Affinity purified.

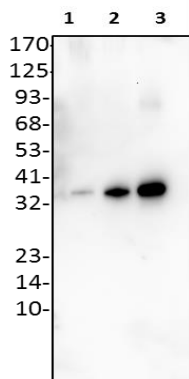
FORM: Liquid.

FORMULATION: In phosphate buffered saline (PBS), pH 7.2 containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

SPECIES REACTIVITY: *E. coli*.

STORAGE CONDITIONS: Store at -20°C; Store at -20°C; Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles..

APPLICATIONS AND USAGE: Western blot: 1-4 µg (**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.**)



Western blot of Recombinant *E. coli*, Taurine Dioxygenase (TauD) using TauD Antibody:
 Lane 1: rec. Taurine Dioxygenase 2 ng
 Lane 2: rec. Taurine Dioxygenase 10 ng
 Lane 3: rec. Taurine Dioxygenase 50 ng.

RELATED PRODUCTS:

Recombinant *E. coli*, Taurine Dioxygenase (TauD) (P1071).
 Taurine Assay Kit (Cat. No. K988).

FOR RESEARCH USE ONLY! Not to be used on humans

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