

OxdC Antibody

CATALOG NO: 6672-30T 30 µg (Trial size)
6672-100 100 µg

ALTERNATE NAMES: YvrK

CONCENTRATION: 0.5 mg/ml

HOST: Rabbit

IMMUNOGEN: Recombinant bacterial Oxalate decarboxylase protein (Cat # 7262)

INTERNAL ID: BV-N31-32

PURIFICATION: Affinity purified rabbit IgG

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: Human

STORAGE CONDITIONS: Store at -20°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: Oxalate decarboxylase (OxdC, EC4.1.1.2) is a manganese-containing enzyme, which decomposes oxalic acid and oxalate. With OxdC catalysis, oxalate is split into formate and CO₂. This enzyme belongs to the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds. The systematic name of this enzyme class is oxalate carboxy-lyase (formate-forming). This enzyme is also called oxalate carboxy-lyase. The enzyme is composed of two cupin domains, each of which contains a Mn (II) ion. This enzyme participates in glyoxylate and dicarboxylate metabolism. This enzyme has been recognized for diagnostics in diverse biotechnological applications such as the clinical assay of oxalate in blood and urine, therapeutics, process industry, and agriculture to lower oxalate levels in foods and the environment.

APPLICATION: 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 Oxalate decarboxylase antibody:
Lane 1: rb- Oxalate decarboxylase - 10 ng.
Lane 2: rb- Oxalate decarboxylase - 50 ng

RELATED PRODUCTS:

- Oxalate Decarboxylase, Active Bacterial Recombinant (**Cat. No. 7262-20, 100, -1000**)

FOR RESEARCH USE ONLY! Not to be used on humans.

