

Xanthine Oxidase (XO) Antibody

Cat.No.: Y105588

Quantity: 1 ml

Antibody Type Polyclonal Antibody

Description Xanthine Oxidase (XO) is a In normal tissues this enzyme exists predominantly as Xanthine Dehydrogenase which converts hypoxanthine and xanthine to uric acid, a critical plasma antioxidant. During ischemia, Xanthine Dehydrogenase is reversibly converted to the oxygen radical-producing Xanthine Oxidase by oxidation of essential sulfhydryl groups, or irreversibly, through limited proteolytic cleavage of the amino-terminus. Aldehyde Oxidase has a higher affinity for aldehydes than purines, but produces O₂⁻ in a manner very similar to Xanthine Oxidase because both oxidases possess nearly identical internal electron transport systems.

Immunogen Xanthine Oxidase (XO) Bovine Buttermilk

Specificity This antibody is monospecific to Xanthine Oxidase (XO) confirmed by IEP.

Raised In Rabbit

Clonality Polyclonal Antibody

Purity Affinity purified

Storage Buffer PBS, pH 7.4 with 0.02% sodium azide.

Formulation Liquid

Storage Store at 4°C short term, or for long term storage at -20°C/1 year

Caution Xanthine Oxidase (XO) is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.