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Datasheet for ABIN5596882 **anti-XDH antibody (HRP)**

Overview

Quantity:	100 µg
Target:	XDH
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XDH antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Xanthine Oxidase [Bovine Buttermilk] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Xanthine Oxidase from other tissues and species may occur but have not been specifically determined.
Purification:	Xanthine Oxidase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Xanthine Oxidase [Bovine Buttermilk].

Target Details

Target:	XDH
Alternative Name:	Xanthine Oxidase (XDH Products)
Background:	<p>Synonyms: Xanthine dehydrogenase antibody, Xanthine dehydrogenase/oxidase antibody, Xanthine oxidase antibody, Xanthine oxidoreductase antibody, xdh antibody, xdha antibody, XO antibody, xor antibody</p> <p>Background: Xanthine Oxidase is a key enzyme in purine degradation. It catalyzes the oxidation of hypoxanthine to xanthine, xanthine to uric acid, and contributes to the generation of reactive oxygen species.</p> <p>Gene Name: XDH</p>
Gene ID:	280960
UniProt:	P80457
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	<p>Application Note: Anti-Xanthine Oxidase has been assayed against 1.0 µg of Xanthine Oxidase [Bovine Buttermilk] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:35,000 to 1:175,000 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: 1:500 - 1:5,000</p> <p>Immunoprecipitation Dilution: 1:100</p> <p>ELISA Dilution: 1:5,000 - 1:20,000</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>

Handling

Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months