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Datasheet for ABIN1607817 anti-XDH antibody (Biotin)

1 Image

Overview

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

Product Details

Immunogen:	Xanthine Oxidase [Bovine Buttermilk] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Xanthine Oxidase from other sources is unknown.
Purity:	Anti-Xanthine Oxidase antibody 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Xanthine Oxidase [Bovine Buttermilk].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	XDH
Alternative Name:	Xanthine Oxidase (XDH Products)
Background:	Anti-Xanthine Oxidase recognizes xanthine oxidase, an oxidoreductase. Xanthine oxidase catalyzes the oxidation of hypoxanthine to xanthine and xanthine to uric acid. Both of these reactions also generate the reactive oxygen species hydrogen peroxide. In addition, xanthine oxidase is involved in the catabolism of purines and metabolism of caffeine. Clinically, xanthine oxidase has been linked to gout, a condition in which uric acid accumulates in the kidneys and joints. Anti-Xanthine Oxidase antibody is ideal for investigators interested in Metabolism and Signal Transduction research. Synonyms: Xanthine dehydrogenase antibody, Xanthine dehydrogenase/oxidase antibody, Xanthine oxidase antibody, Xanthine oxidoreductase antibody, xdh antibody, xdha antibody, XO antibody, xor antibody
Gene ID:	280960
UniProt:	P80457
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Anti-Xanthine Oxidase antibody has been assayed against 1.0 µg of Xanthine Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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 1:10.000 to 1:40.000 of the reconstitution concentration is suggested for this product. ELISA Dilution: 1:5.000 - 1:20.000 IF Immunoprecipitation Dilution: 1:100 Western Blot Dilution: 1:500 - 1:5.000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

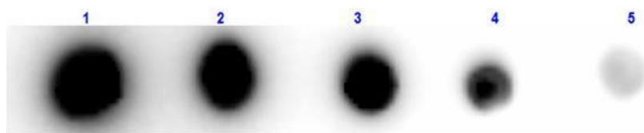
Handling

Storage: -20 °C

Storage Comment: Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date: Expiration date is one (1) year from date of opening.

Images



Dot Blot

Image 1. Dot Blot results of Rabbit Anti-Xanthine Oxidase Antibody Biotin Conjugated. Dots are Xanthine Oxidase at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: ABIN925618 for 30 min at RT. Primary Antibody: Rabbit Anti-Xanthine Oxidase Antibody Biotin at 1µg/mL for 1hr at RT. Secondary Antibody: Streptavidin-HRP at 1:40,000 for 30min at RT. Imaged with BioRad ChemiDoc, Chemi filter.