10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Xanthine Oxidase Rabbit Monoclonal Antibody

Catalog # ABO15402

Specification

Anti-Xanthine Oxidase Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P47989
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Xanthine Oxidase Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-Xanthine Oxidase Rabbit Monoclonal Antibody - Additional Information

Gene ID 7498

Other Names
Xanthine dehydrogenase/oxidase, Xanthine dehydrogenase, XD, 1.17.1.4, Xanthine oxidase, XO, 1.17.3.2, Xanthine oxidoreductase, XOR, XDH, XDHA

Calculated MW
146 kDa KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human Xanthine Oxidase

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-Xanthine Oxidase Rabbit Monoclonal Antibody - Protein Information

Name XDH

Synonyms XDHA

Function
Key enzyme in purine degradation. Catalyzes the oxidation of hypoxanthine to xanthine. Catalyzes the oxidation of xanthine to uric acid. Contributes to the generation of reactive oxygen species. Has also low oxidase activity towards aldehydes (in vitro).

Cellular Location
Cytoplasm. Peroxisome. Secreted

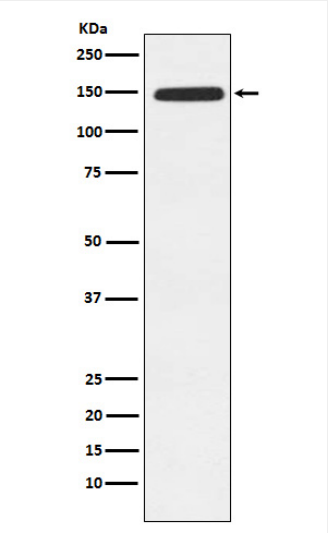
Tissue Location
Detected in milk (at protein level). {ECO:0000269|Ref.12}

Anti-Xanthine Oxidase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Xanthine Oxidase Rabbit Monoclonal Antibody - Images



Western blot analysis of Xanthine Oxidase expression in 293T cell lysate.

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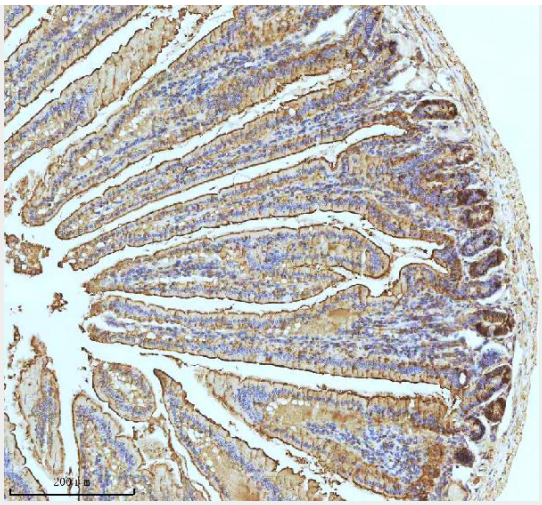

Figure 2. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Xanthine Oxidase Antibody (M01884-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

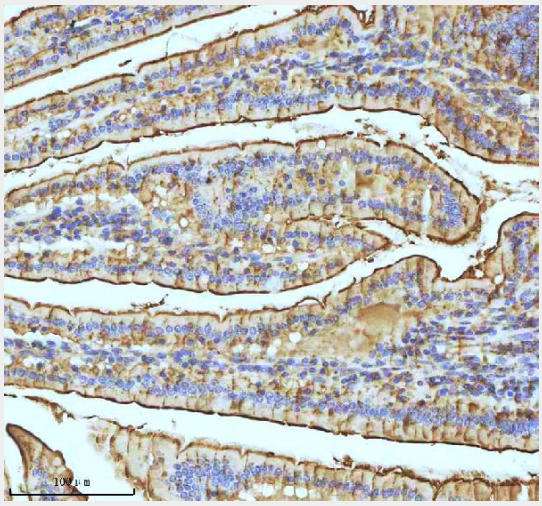

Figure 3. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Xanthine Oxidase Antibody (M01884-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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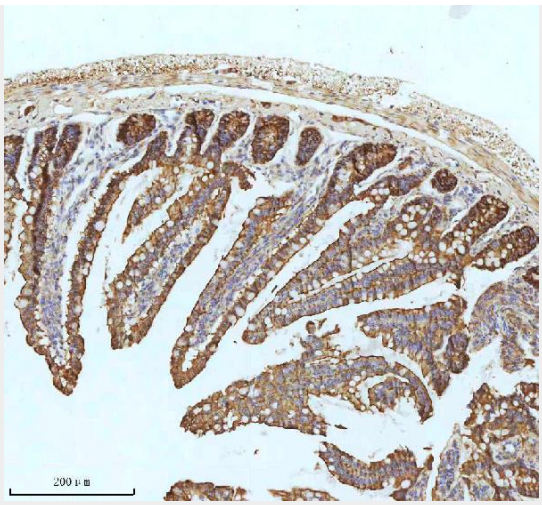

Figure 4. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Xanthine Oxidase Antibody (M01884-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

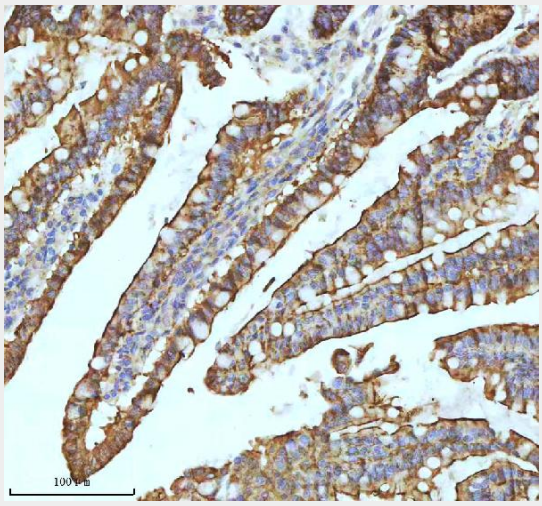

Figure 5. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Xanthine Oxidase Antibody (M01884-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.