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Anti-Xanthine Oxidase Rabbit Monoclonal Antibody

Catalog # ABO15402

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.

Additional Information

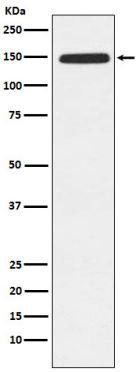
Gene ID	7498
Other Names	Xanthine dehydrogenase/oxidase, Xanthine dehydrogenase, XD, 1.17.1.4, Xanthine oxidase, XO, 1.17.3.2, Xanthine oxidoreductase, XOR, XDH, XDHA
Calculated MW	146424
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 19X78
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.

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}

Images



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

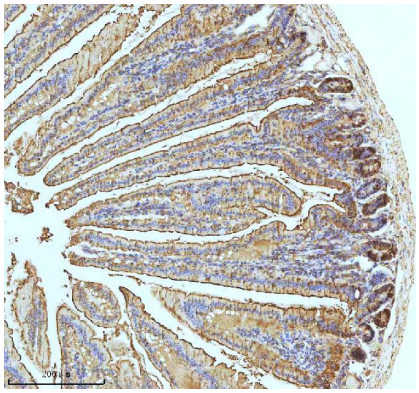


Figure 2. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section 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.

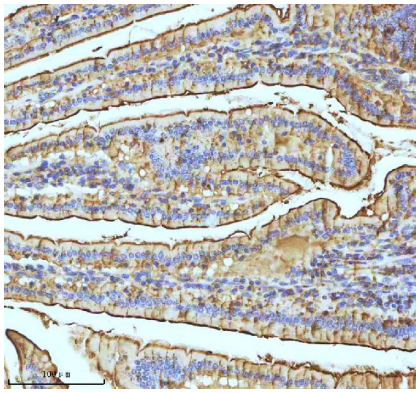
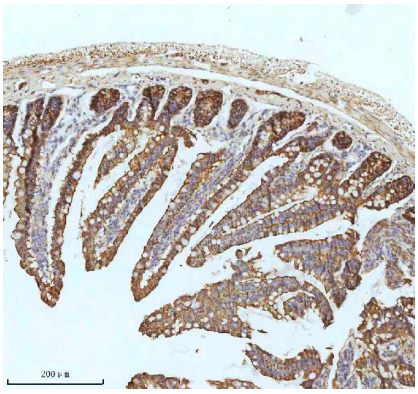


Figure 3. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section 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.

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.

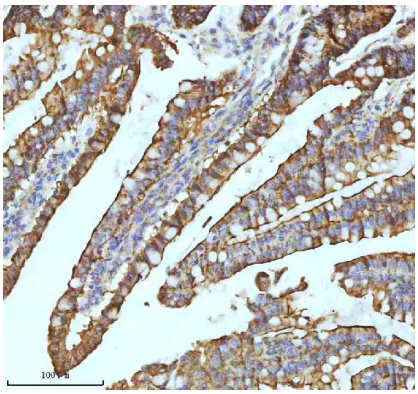


Figure 5. IHC analysis of Xanthine Oxidase using anti-Xanthine Oxidase antibody (M01884-2). Xanthine Oxidase was detected in a paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section 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.