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Overview

Quantity:	100 μL
Target:	XDH
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This XDH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Xanthine Oxidase (XDH) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Xanthine Oxidase (XDH) (XDH)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	XDH
Alternative Name:	XDH (XDH Products)
Background:	Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases

involved in the oxidative metabolism of purines. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Xanthine dehydrogenase can be converted to xanthine oxidase by reversible sulfhydryl oxidation or by irreversible proteolytic modification. Defects in xanthine dehydrogenase cause xanthinuria, may contribute to adult respiratory stress syndrome, and may potentiate influenza infection through an oxygen metabolite-dependent mechanism. [provided by RefSeq, Jan 2014],XAN1, XO, XOR, Cancer, Endocrine & Metabolism, Signal Transduction, XDH

Molecular Weight: 146kDa Gene ID: 7498 UniProt: P47989 Pathways:

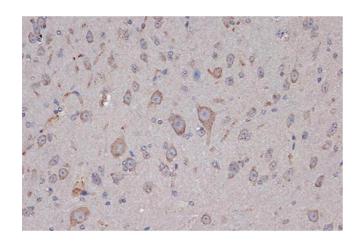
Positive Regulation of Endopeptidase Activity

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200 Restrictions: For Research Use only

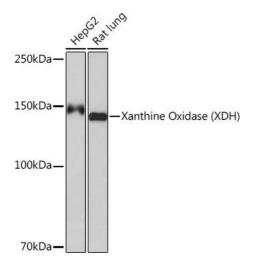
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



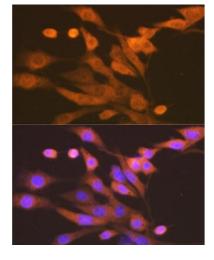
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse brain using Xanthine Oxidase (XDH) (XDH) Rabbit mAb (ABIN7271408) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Xanthine Oxidase (XDH) (XDH) Rabbit mAb (ABIN7271408) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunofluorescence

Image 3. Immunofluorescence analysis of NIH-3T3 cells using Xanthine Oxidase (XDH) (XDH) Rabbit mAb (ABIN7271408) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 5 images are available for ABIN7271408.