

RecomAb™

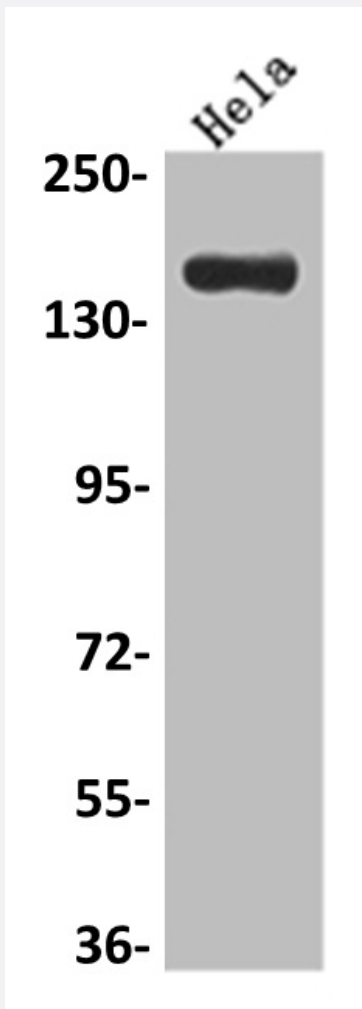
XDH recombinant monoclonal antibody, clone 8A9

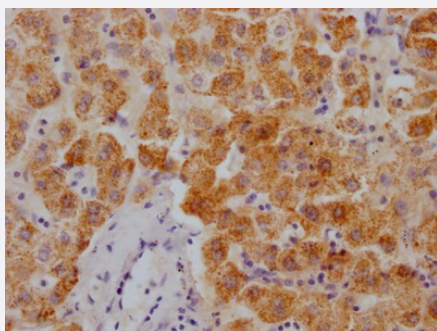
Catalog # RAB07470 Size 100 uL

Applications

Western Blot (Cell lysate)

Western blot analysis of HeLa whole cell lysate with XDH recombinant monoclonal antibody, clone 8A9 (Cat # RAB07470).





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver tissue using XDH recombinant monoclonal antibody, clone 8A9 (Cat # RAB07470) on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human XDH.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human XDH.
Theoretical MW (kDa)	147
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Hela whole cell lysate with XDH recombinant monoclonal antibody, clone 8A9 (Cat # RAB07470).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver tissue using XDH recombinant monoclonal antibody, clone 8A9 (Cat # RAB07470) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — XDH

Entrez GeneID [7498](#)

Protein Accession# [P47989](#)

Gene Name XDH

Gene Alias XO, XOR

Gene Description xanthine dehydrogenase

Omim ID [278300 607633](#)

Gene Ontology [Hyperlink](#)

Gene Summary Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The enzyme is a homodimer. 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]

Other Designations OTTHUMP00000125231|xanthene dehydrogenase|xanthine oxidase|xanthine oxidoreductase

Pathway

- [Caffeine metabolism](#)

- [Drug metabolism - other enzymes](#)

- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Carcinoma](#)
- [Carotid Artery Diseases](#)
- [Chronic Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hearing Loss](#)
- [Hypertension](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Occupational Diseases](#)