

RecomAb™

XDH recombinant monoclonal antibody, clone R07-1D5

Catalog # RAB01825 Size 100 uL

Applications



Western Blot

Western blot analysis of K562 lysates with XDH recombinant monoclonal antibody, clone R07-1D5 (Cat # RAB01825).

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)	Calculated MW: 146 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °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.

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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](#)