

Datasheet for ABIN955594  
**anti-XDH antibody (N-Term)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	0.4 mL
Target:	XDH
Binding Specificity:	AA 213-242, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XDH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 213~242 amino acids from the N-terminal region of human XDH
Isotype:	Ig Fraction
Specificity:	This antibody detects Xanthine dehydrogenase/oxidase (N-term).
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse.
Purification:	Protein A column followed by peptide affinity purification

## Target Details

Target:	XDH
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## Target Details

Alternative Name:	XDH ( <a href="#">XDH Products</a> )
Background:	XDH belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The enzyme is a homodimer. This protein 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.Synonyms: Xanthine dehydrogenase/oxidase
Gene ID:	7498
NCBI Accession:	<a href="#">NP_000370</a>
Pathways:	<a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

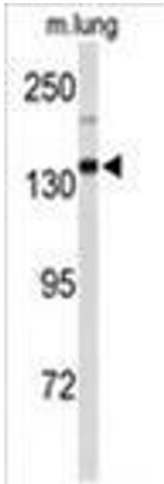
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.

## Publications

Product cited in:	Ross, Katzov-Eckert, Dubé, Brooks, Rassekh, Barhdadi, Feroz-Zada, Visscher, Brown, Rieder, Rogers, Phillips, Carleton, Hayden: "Genetic variants in TPMT and COMT are associated with hearing loss in children receiving cisplatin chemotherapy." in: <b>Nature genetics</b> , Vol. 41, Issue 12,
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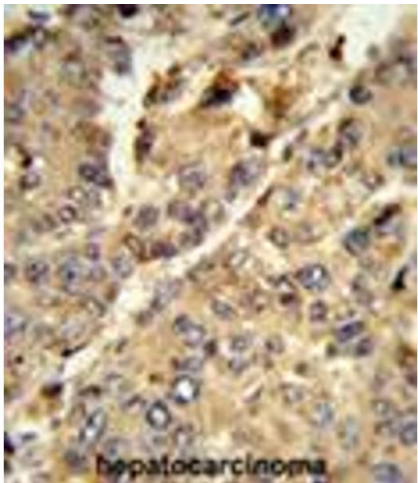
pp. 1345-9, (2009) ([PubMed](#)).

Images



Western Blotting

**Image 1.** Western blot analysis of XDH Antibody (N-term) in mouse lung tissue lysates (35 µg/lane). XDH (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with XDH Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.