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anti-XDH antibody (N-Term)



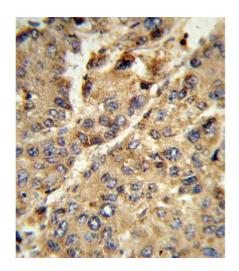


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Overview	
Quantity:	400 μL
Target:	XDH
Binding Specificity:	AA 206-234, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XDH antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This XDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-234 amino acids from the N-terminal region of human XDH.
Clone:	RB23202
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	XDH
Alternative Name:	XDH (XDH Products)

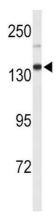
# **Target Details**

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.	
Molecular Weight:	146424	
Gene ID:	7498	
NCBI Accession:	NP_000370	
UniProt:	P47989	
Pathways:	Positive Regulation of Endopeptidase Activity	
Application Details		
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in 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.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	



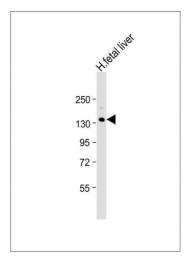
### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** 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.



### **Western Blotting**

**Image 2.** Western blot analysis of XDH Antibody (N-term) (ABIN653225 and ABIN2842759) in mouse lung tissue lysates (35 µg/lane). XDH (arrow) was detected using the purified Pab.



## **Western Blotting**

**Image 3.** Anti-XDH Antibody (N-term) at 1:1000 dilution + human fetal liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 146 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 4 images are available for ABIN653225.